Tranquillity and Place

Report No: 569 (version 2)

Author Name: Chris Green, Diana Manson, Kimberley Chamberlain

Author Affiliation: LUC

About Natural Resources Wales

Natural Resources Wales' purpose is to pursue sustainable management of natural resources. This means looking after air, land, water, wildlife, plants and soil to improve Wales' well-being, and provide a better future for everyone.

Evidence at Natural Resources Wales

Natural Resources Wales is an evidence-based organisation. We seek to ensure that our strategy, decisions, operations and advice to Welsh Government and others are underpinned by sound and quality-assured evidence. We recognise that it is critically important to have a good understanding of our changing environment.

We will realise this vision by:

- Maintaining and developing the technical specialist skills of our staff;
- Securing our data and information;
- Having a well resourced proactive programme of evidence work;
- Continuing to review and add to our evidence to ensure it is fit for the challenges facing us; and
- Communicating our evidence in an open and transparent way.

This Evidence Report series serves as a record of work carried out or commissioned by Natural Resources Wales. It also helps us to share and promote use of our evidence by others and develop future collaborations. However, the views and recommendations presented in this report are not necessarily those of NRW and should, therefore, not be attributed to NRW.

Report number: 569 (version 2)

Publication date: March 2022 (updated in December 2024)

Contract number: 2056881

Contractor: LUC

Contract Manager: J Bullen

Title: **Tranquillity and Place**

Author(s): **C Green, D Manson, K Chamberlain**

Technical Editor: D Manson

Quality assurance: Technical Review and approval tier 1.

Peer Reviewer(s): J Bullen

Approved By: J Bullen

Restrictions: None

Distribution List (core) Electronic only

NRW Library, Bangor	1
National Library of Wales	1
British Library	1
Welsh Government Library	1
Scottish Natural Heritage Library	1
Natural England Library (Electronic Only)	1

Distribution List (others) Electronic direct

DPAS, NRW

Martin McVay, Welsh Government

Tom Cosson, Welsh Government

Siobhan Wiltshire, Welsh Government

Neil Maylan, Cadw

Ruth Lovell, Landscapes Wales Coordinator

John Pearson, National Trust

Wales Landscape Group

Recommended citation for this volume:

Green C, Manson D, Chamberlain K 2022. Tranquillity and Place. NRW Report No: 569 (version 2), 192 pp, NRW

Contents

List of Figures

List of Tables

Crynodeb Gweithredol

Cyd-destun yr astudiaeth

Comisiynwyd LUC gan Cyfoeth Naturiol Cymru (CNC) i ddatblygu adnodd Llonyddwch a Lle daearol cyson newydd sy'n nodi'r adnoddau strategol a lleol mewn ardaloedd anghysbell, gwledig, trefol ac o gwmpas trefi i'w ddefnyddio fel sylfaen dystiolaeth i lywio bwriad polisi, ymarfer a darpariaeth ar gyfer buddion lles.

Datblygwyd yr adnodd Llonyddwch a Lle newydd gan ddefnyddio 'themâu' wedi'u mapio sy'n cyfuno i greu map Llonyddwch a Lle cymharol cyffredinol. Mae'r themâu fel a ganlyn:

Thema 1 - helaethrwydd, canfyddiad neu brofiad cymharol o natur, tirweddau naturiol a mannau gwyrdd.

Thema 2 - rhyddid cymharol rhag amhariad gweledol a dylanwad pobl.

Thema 3 - awyr gymharol dywyll.

Thema 4 - amgylcheddau acwstig lle mae seiniau naturiol yn fwy amlwg na sŵn ac yn briodol i'w cyd-destun.

Cesglir y pedair thema yma ynghyd i ddatblygu dwy thema gyfunol:

Thema 5 – mannau o lonyddwch gweledol (themâu 1, 2 a 3).

Theme 6 – yr adnodd llonyddwch llawn (themâu 1, 2, 3 a 4).

Beth yw nod yr astudiaeth hon

Comisiynwyd yr astudiaeth hon i gydnabod pwysigrwydd llonyddwch fel mantais sy'n perthyn i dirwedd ac fel gwasanaeth diwylliannol pwysig. Mae llonyddwch yn cael ei werthfawrogi'n fawr ac mae'n cyfrannu at werth a hunaniaeth y dirwedd. Mae llonyddwch hefyd yn cyfrannu at iechyd, lles, budd ysbrydol ac ansawdd bywyd. Ond mae ei wydnwch yn gyfyngedig, a gall newidiadau cynnil o ran sŵn, amhariad gweledol a llygredd golau gael effaith amlwg ar leoliadau naturiol a llonyddwch.

Mae'n bwysig cael adnodd Llonyddwch a Lle sy'n gyson yn genedlaethol i'w ddefnyddio fel sail dystiolaeth i lywio bwriad polisi, ymarfer a darpariaeth ar gyfer buddion lles.

Er mwyn cyflawni hyn, roedd yr astudiaeth hon yn cynnwys creu'r canlynol:

- Set ddata ar gyfer Cymru benbaladr a mapiau llonyddwch ar gyfer themâu 1, 2 a 5 (gan ddefnyddio data sydd eisoes yn bodoli ar gyfer thema 3).
- Set o fapiau ac ystadegau ar gyfer parthau penodol, ar gyfer thema 5 yn erbyn amryw gyd-destunau daearyddol.
- Methodoleg ac adroddiad ar ganfyddiadau.
- Model ArcGIS.
- 'Map stori' rhyngweithiol yn crynhoi'r canlyniadau.

Cefnogwyd yr astudiaeth gan ddau weithdy i randdeiliaid yn ystod y camau datblygu, gan sicrhau bod ystod amrywiol o safbwyntiau'n llywio'r gwaith o ddatblygu dangosyddion llonyddwch.

Beth mae'r adroddiad hwn yn ei gynnwys

Mae'r adroddiad hwn yn rhoi manylion y dull a ddefnyddiwyd i greu haenau'r map ar gyfer themâu 1, 2 a 5. Darperir crynodeb o fewnbwn rhanddeiliaid fel cofnod o ganfyddiadau o ddangosyddion llonyddwch.

Lle bynnag y bo modd, cyflwynir y canfyddiadau'n weledol gyda mapiau a siartiau, ac ategir y rhain gan dablau â ffigurau allweddol. Cofnodir yr holl baramedrau manwl a ddefnyddir yn y modelau GIS er mwyn hwyluso'r broses o ddiweddaru'r mapiau yn y dyfodol.

Diweddarwyd yr adroddiad hwn yn 2024 i fynd i'r afael â materion o ran cysondeb a ddaeth i'r amlwg wrth greu Thema 6.

Trosolwg o'r canfyddiadau allweddol

Dyma ganfyddiadau allweddol yr astudiaeth hon:

- Mae 663.1 km2 o Gymru yn y ddau gategori uchaf ar gyfer helaethrwydd, canfyddiad neu brofiad cymharol o natur, tirweddau naturiol a mannau gwyrdd, pan grynhoir pob un o'r deg dangosydd sy'n cyfrannu at thema 1.
- Mae 8,209.6 km2 o Gymru yn y ddau gategori uchaf ar gyfer rhyddid cymharol rhag amhariad gweledol ymwthiol a dylanwad pobl, pan grynhoir pob un o'r chwe dangosydd sy'n cyfrannu at thema 2.
- Mae 5,398.2 km2 o Gymru yn y tri chategori uchaf ar gyfer yr ardaloedd sy'n llonydd yn weledol pan gyfunir y sgoriau sydd wedi'u normaleiddio o thema 1, 2 a 3.
- O ran llonyddwch gweledol, mae 81% o Gymru yn y tri chategori uchaf.
- Mae 10% o ardaloedd trefol Cymru yn y tri chategori uchaf o ran llonyddwch gweledol.

Executive summary

Study context

Natural Resources Wales (NRW) commissioned LUC to develop a new nationally consistent terrestrial Tranquillity & Place resource that identifies the strategic and local resource in remote, rural, peri-urban and urban areas for use as an evidence base to inform policy intent, practice and provision for well-being benefits.

The new Tranquillity & Place resource has been developed using mapped 'themes' that merge to produce an overall relative Tranquillity & Place map. The themes are as follows:

Theme 1 - relative abundance, perception or experience of nature, natural landscapes and greenspaces.

Theme 2 - relative freedom from intrusive visual disturbance and human influence.

Theme 3 - relative dark skies.

Theme 4 - acoustic environments where natural sounds are more prominent than noise and are appropriate to context.

These four themes are collated to develop two combined themes:

Theme 5 - visually tranquil places (themes 1, 2 and 3).

Theme 6 – the full tranquillity resource (themes 1, 2, 3 and 4).

What is the aim of this study

This study was commissioned out of recognition of the importance of tranquillity as a landscape asset and important cultural service. Tranquillity is highly valued and contributes to landscape value and identity. Tranquillity also contributes to health, well-being, spiritual benefit and quality of life. But it has limited resilience, and subtle changes in noise, visual intrusion and light pollution may have marked effects on natural settings and tranquillity.

It is important to have a nationally consistent Tranquillity and Place resource to use as an evidence base to inform policy intent, practice and provision for well-being benefits.

To achieve this, this study involved the creation of the following:

- A Wales-wide dataset and maps of tranquillity for themes 1, 2 and 5 (drawing in existing data for theme 3).
- A set of maps and zonal statistics, for theme 5 against various geographical contexts.
- A methodology and findings report.
- An ArcGIS model.
- An interactive 'story map' summarising the results.

The study was supported by two stakeholder workshops during the development phases, ensuring that a diverse range of perspectives inform the development of tranquillity indicators.

What does this report cover

This report provides details of the method used to create the map layers for themes 1, 2 and 5. A summary of stakeholder input is provided as a record of perceptions of tranquillity indicators.

Wherever possible, the findings are presented visually through maps and charts, supported by tables of key figures. The detailed parameters used in the GIS modelling are all recorded in order to facilitate future updates of the mapping.

This report was updated in 2024 to address consistency issues that emerged during the creation of Theme 6.

Overview of key findings

The key findings of the study are:

- 663.1 km^2 of Wales is in the top two categories for relative abundance, perception or experience of nature, natural landscapes and greenspaces, when all ten contributing indicators for theme 1 are summed.
- 8,209.6 km^2 of Wales is in the top two categories for relative freedom from intrusive visual disturbance and human influence, when all six contributing indicators for theme 2 are summed.
- 5,398.2 km^2 of Wales is in the top two categories of visually tranquil areas when the normalised scores of themes 1, 2 and 3 are combined.
- 81% of Wales is in the top 3 most visually tranquil categories.
- 10% of Wales' urban areas are in the top 3 visually tranquil categories.

Introduction

In September 2021, Natural Resources Wales (NRW) commissioned LUC to develop a new nationally consistent terrestrial Tranquillity & Place resource that identifies the strategic and local resource in remote, rural, peri-urban and urban areas for use as an evidence base to inform policy intent, practice and provision for well-being benefits.

Tranquillity is associated with the degree to which places and ecosystems deliver a state of quiet, calm, peace and well-being. This can be described as a relative abundance, perception or experience of nature, natural landscapes and features (e.g. birdsong, natural sounds, moving water, stars and perceived wildness) and/or a relative freedom from unwanted visual disturbance, signs of human influence and artificial noise (e.g. from people, transport, development, light pollution, power lines).

Tranquillity, as a landscape asset and important cultural service, is highly valued and contributes to landscape value and identity. Tranquillity also contributes to health, well-being, spiritual benefit and quality of life. This in turn can bring economic benefits from tourists and visitors to tranquil areas. Tranquillity has limited resilience in that subtle changes in noise, visual intrusion and light pollution may have marked effects on natural settings and tranquillity.

Tranquillity as a natural resource is most often experienced in the rural landscape. With continued expansion of the urban population, the importance of finding relatively tranquil places in urban parks and open spaces is growing. This can be possible where positive soundscapes outweigh sounds like traffic, where peace and quiet coincides with visual beauty/aesthetics and where there is a sense of nature, personal safety and freedom of access. Areas of urban tranquillity provide an important contrast and break from the built environment with benefits to quality of life.

Themes

The new Tranquillity & Place resource has been developed using mapped 'themes' that merge to produce an overall relative Tranquillity & Place map. The themes are as follows:

Theme 1 - relative abundance, perception or experience of nature, natural landscapes and greenspaces.

Theme 2 - relative freedom from intrusive visual disturbance and human influence.

Theme 3 - relative dark skies. The data for this theme was created by LUC in 2021 as part of a previous phase of this study.

Visit the Dark Skies digital report for further information

Theme 4 - acoustic environments where natural sounds are more prominent than noise and are appropriate to context. The results of this theme do not form part of this report, as mapping will be produced once the new noise maps are produced in 2022.

These four themes are collated to develop two combined themes:

Theme 5 - visually tranquil places, which includes themes 1, 2 and 3.
Theme 6 – the full tranquillity resource, including themes 1, 2, 3 and 4.

This report covers the methodology and results for themes 1, 2 and 5.

Aims and objectives

The aims of this study are to:

- Create a Wales-wide GIS dataset of tranquillity for themes 1, 2 and 5.
- Generate a set of Wales-wide maps of tranquillity for themes 1, 2 and 5.
- Generate a set of maps displaying the theme 5 tranquillity data against the following geographies:
  - Local Authority areas
  - Future Wales boundaries
  - Designated landscapes (Areas of Outstanding Natural Beauty (AONBs) and National Parks)
  - NRW Operational Areas
  - National Landscape Character Areas
  - LANDMAP Visual & Sensory aspect areas
- Create zonal statistics for the various geographical contexts listed above.
- Document the findings in a report which summarises the method and findings of the study.
- An ArcGIS model for easy repetition of the work if a component dataset is updated.
- Create an interactive 'story map' to provide a summary of the results in an intuitive and understandable way.

Methodology

This section sets out the method followed to create the data and subsequent maps that comprise this study. This method is designed to be easily replicated. The approach taken to develop the mapping methodology followed the stages set out in Figure 1. This report was updated in 2024 to address consistency issues that emerged during the creation of Theme 6.

Figure 1 Summary of approach

1	• Inception and review of previous approaches
2	• Development of draft matrix of indicators • Data assessment
3	• Data collation • Methodology development and pilot mapping
4	• Stakeholder workshop 1
5	• Consideration of feedback and further data identification • Indicator finalisation
6	• Draft mapping of theme 1 and 2
7	• Stakeholder workshop 2
8	• Final mapping of themes 1 and 2 • Creation of theme 5 map
9	• Reporting and creation of zonal statistics
10	• Handover of ArcGIS model • Development of StoryMap

Previous studies

It was agreed at the inception of this project that having parity with the tranquillity mapping approach used in England would make the results more useful as a comparative tool. As such, the methodology for this study is based on the [Tranquillity Mapping: Developing a Robust Methodology for Planning Support Technical Report](#) produced by Northumbria University for CPRE in 2008.

At the time of undertaking this work, a similar tranquillity mapping study for Central Bedfordshire Council was underway. Being led by the same consultant team, it was possible to incorporate emerging methodological aspects into this study. At the time of publication of this report, the Central Bedfordshire Tranquillity Strategy is unpublished.

That report provides a detailed breakdown of the data, methodology and assumptions used in the creation of the relative tranquillity map of England. Some deviations from the method were incorporated into this study where it was appropriate. Details of these deviations and their justification are detailed in this section.

Rural/Urban split

As this study is examining relative tranquillity, there is a need to recognise that pockets of tranquillity within urban areas are important, even if they are not truly tranquil by rural standards.

In order to do this, whilst maintaining consistency between the urban and rural areas, a two level approach was taken for the analysis. Both levels of analysis draw on the same aspects of tranquillity (for example, visibility of major roads), but the data used to represent/model the indicator and the spatial resolution of the data differs between them.

The rural analysis covers the entirety of Wales, including those areas covered by the urban analysis, to allow for consistent comparisons between different geographies.

Urban areas have been defined using the extent of the study areas mapped in the Urban Tree Cover data from the [Tree Cover in Wales' Towns and Cities project](#), as shown in Figure 2.

Figure 2 Urban areas from Urban Tree Cover data
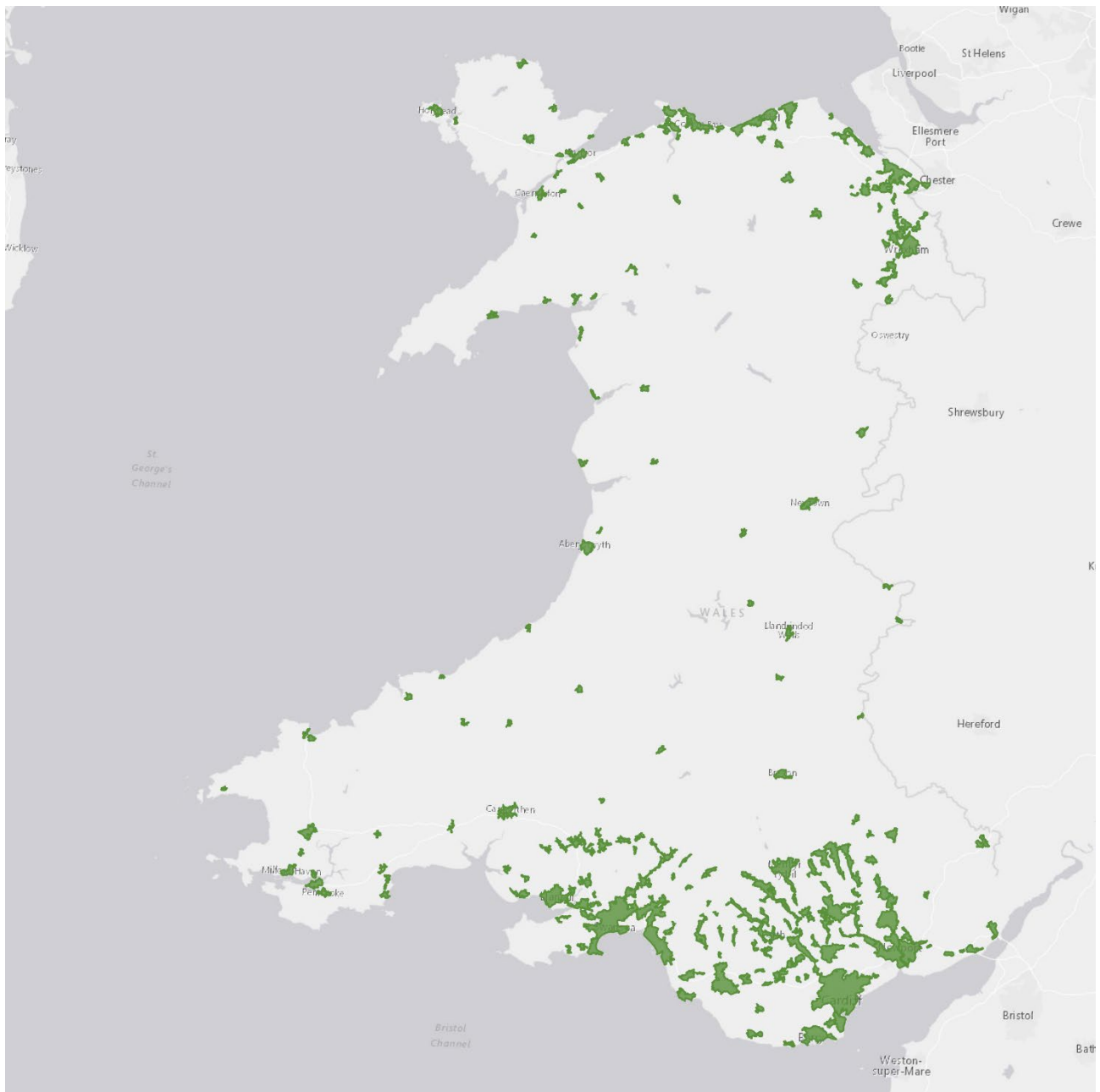
Contains OS data © Crown copyright 2022

Consultation

LUC and NRW held two workshops to provide key stakeholders the opportunity to comment on and shape the proposed methodology; including the data to be used. The earlier of the two workshops, held in November 2021, included discussions on:

- What tranquillity meant to each participant;
- The relative importance of different factors influencing tranquillity; and
- Potential differences in the experience of tranquillity between rural and urban areas.

The subsequent workshop provided an opportunity to share emerging results and test whether:

- Stakeholders agree with the approach;
- Stakeholders had any recommendations on improvements that could be incorporated in future iterations of the study.

Stakeholders included representatives from the following organisations:

- Natural Resources Wales
- Welsh Government
- Cadw
- Design Commission for Wales
- Landscapes Wales
- National Trust
- Brecon Beacons National Park Authority
- Pembrokeshire Coast National Park Authority
- Snowdonia National Park
- Anglesey Area of Outstanding Natural Beauty
- Clwydian Range & Dee Valley Area of Outstanding Natural Beauty
- Gower Area of Outstanding Natural Beauty
- Ceredigion County Council
- Conwy County Borough Council
- Isle of Anglesey County Council
- Swansea City Council

Extracts from the breakout discussion sessions from the November 2021 workshop are included in Appendix 1 and the structure of the February 2022 is set out in Appendix 2.

Indicators

Themes 1 and 2, were further broken down into 'indicators', with each indicator looking at a specific component of tranquillity. These indicators formed the building blocks of the themes, but are not designed to be viewed in isolation as a measure of tranquillity.

Early in the study, a list of draft indicators was developed for exploration and discussion with stakeholders. The details of the draft indicators and the feedback received from stakeholders is presented in Appendix 1.

A number of factors influenced the development of the final list of indicators taken forward for assessment including:

- Stakeholder feedback
- Availability of data
- Consistency and robustness of data

Workshop 2 provided an opportunity to report back to stakeholders with regards to the inclusion or not of indicators suggested at workshop 1.

The following section sets out the final list of indicators used in the assessment of themes 1 and 2. A full breakdown of the indicators and the way in which they were modelled is included in the theme 1 indicator details and theme 2 indicator details sections.

Theme 1 - Relative abundance, perception or experience of nature, natural landscapes and greenspaces

The indicators for theme 1 are as follows:

- T1-01 - Naturalness of the land cover
- T1-02 - Seeing wide open spaces
- T1-03 - Seeing the sea
- T1-04 - Seeing streams, rivers and canals
- T1-05 - Seeing standing water
- T1-06 - Seeing woodland
- T1-07 - Seeing time depth
- T1-08 - LANDMAP Visual & Sensory outstanding and high landscapes
- T1-09 - Seeing natural designations
- T1-10 - Conservation areas

Theme 2 - relative freedom from intrusive visual disturbance and human influence

The indicators for theme 2 are as follows:

- T2-01 - Seeing large settlements
- T2-02 - Seeing villages and scattered houses
- T2-03 - Seeing roads
- T2-04 - Seeing railway
- T2-05 - Seeing active above surface quarries/mines
- T2-06 - Seeing large non-natural infrastructure

Data sourcing

A key requirement for this study was to design it to be repeatable. As such, all datasets used needed to be easily accessible and wherever possible freely available.

The data also needed to cover the whole of Wales, so as to give a fair measurement across the whole country. Data was also required for England where there is an equivalent dataset available, so as to not understate visibility along the border.

Generation of analysis surfaces

As this study is assessing visibility, the analysis requires a Digital Elevation Model (DEM) to simulate the topology of the Earth. Ordnance Survey (OS) Terrain 50 and Terrain 5 were used to develop this surface. OS Terrain 50 and Terrain 5 datasets are both Digital Terrain Models (DTMs), which take into account only the bare surface of the Earth, and do not include features such as trees and buildings that rise above the ground.

Given the importance of buildings and trees in constraining visibility, these DTMs were converted into Digital Surface Models (DSMs) by modelling in the trees and buildings using data from OS Open Map Local, OS Mastermap, and the National Forest Inventory data from NRW (for Wales) and the Forestry Commission (for England).

Figure 3 Digital Elevation Models and Digital Surface Models

Digital Surface Model
Digital Terrain Model
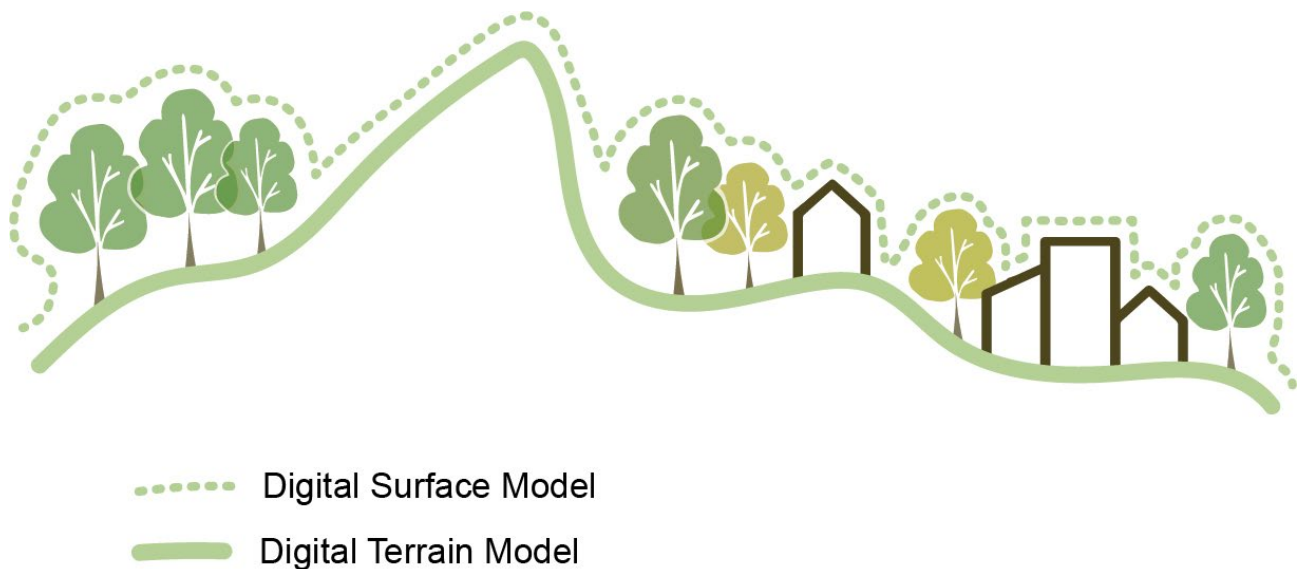
As the rural and urban components of this study are assessed separately, and at different scales, the datasets used to generate the surfaces for each were different.

Rural

For the rural surface, OS Terrain 50 data was used. This data has a resolution (pixel size) of 50 metres. Given this resolution, it was likely that many pixels would only be partially covered by buildings or trees, and so raising their elevation value to the height of that surface feature would vastly overstate the visibility obstruction. However, only raising the pixel value where the whole pixel was covered in surface features would do the opposite. In order to balance these factors, a pixel value was raised if more than 20% of its area was covered by buildings or trees.

For the rural surface the building data used was OS Open Map Local, and the woodland data was from the National Forest Inventory.

Notional values needed to be applied to augment the surface model. The values were presented to stakeholders during the methodology workshop. As a result of this, the draft value of 3m for coppice with standards was raised to 10m. The values used to raise the bare ground model are as shown in Table 1 below.

Table 1 Height of objects added to the elevation model

Surface feature	Elevation increase (metres)
Building	8
Assumed woodland	10
Broadleaved woodland	10
Coniferous woodland	15
Coppiced woodland	3
Coppice with standards	10
Low density woodland	8
Mixed mainly broadleaved woodland	12
Mixed mainly coniferous woodland	12
Shrub	3
Young trees	5

Where multiple features met the 20% coverage criteria, the highest value was taken. Pixels that that intersected with roads, railways, rivers and waterbodies were removed so as to not overstate their visibility.

Urban

The process for the generation of the urban surface was the same as the rural one, except using the OS Terrain 5 dataset as the base instead of the Terrain 50. The Terrain 5 data has a resolution of 5 metres, and so provides a much more nuanced view. However, it became apparent during initial processing that the analysis was going to take too long to run against this surface, so it was resampled to 10m pixels. This involved reducing the resolution of the data and taking an average of each original pixel that falls within the 10m cell (or pixel).

The urban surface was only generated out to 6km from the areas identified in the Urban Tree Cover dataset. The reasons for this are covered under the Data processing heading later in this section.

For consistency in approach, the 20% overlap method was also used for the generation of this surface. In this case, the building data was OS MasterMap, and instead of giving each building an assumed height of 8 metres, each building was given an individual height from the OS MasterMap Building Height Attribute (BHA) data. Woodland data was from the National Forest Inventory, using the same assumed heights as for the rural surface. In the urban areas themselves the woodland data was removed so as to avoid double counting when it came to the visibility analysis.

Data processing

Visibility analysis is calculated from specific locations, to all pixels within the surface dataset. These specific locations are represented in GIS as 'points' – discrete pieces of data with x and y coordinates, but no area or length. Because of this, any datasets stored as polygons needed to be converted so that they were represented as points. In all instances, this involved generating a grid of points at equal intervals covering Wales. Those points that intersected the polygons were then used as the basis of the visbility analysis. For smaller features that may be missed by the grid, the outlines of the polygons were converted into points, with points at a set distance around the perimeter.

Visibility analysis can be run from lines but, for consistency, these were converted into points for the analysis. Figure 4 illustrates this approach.

Figure 4 Approach to generating point layers for features
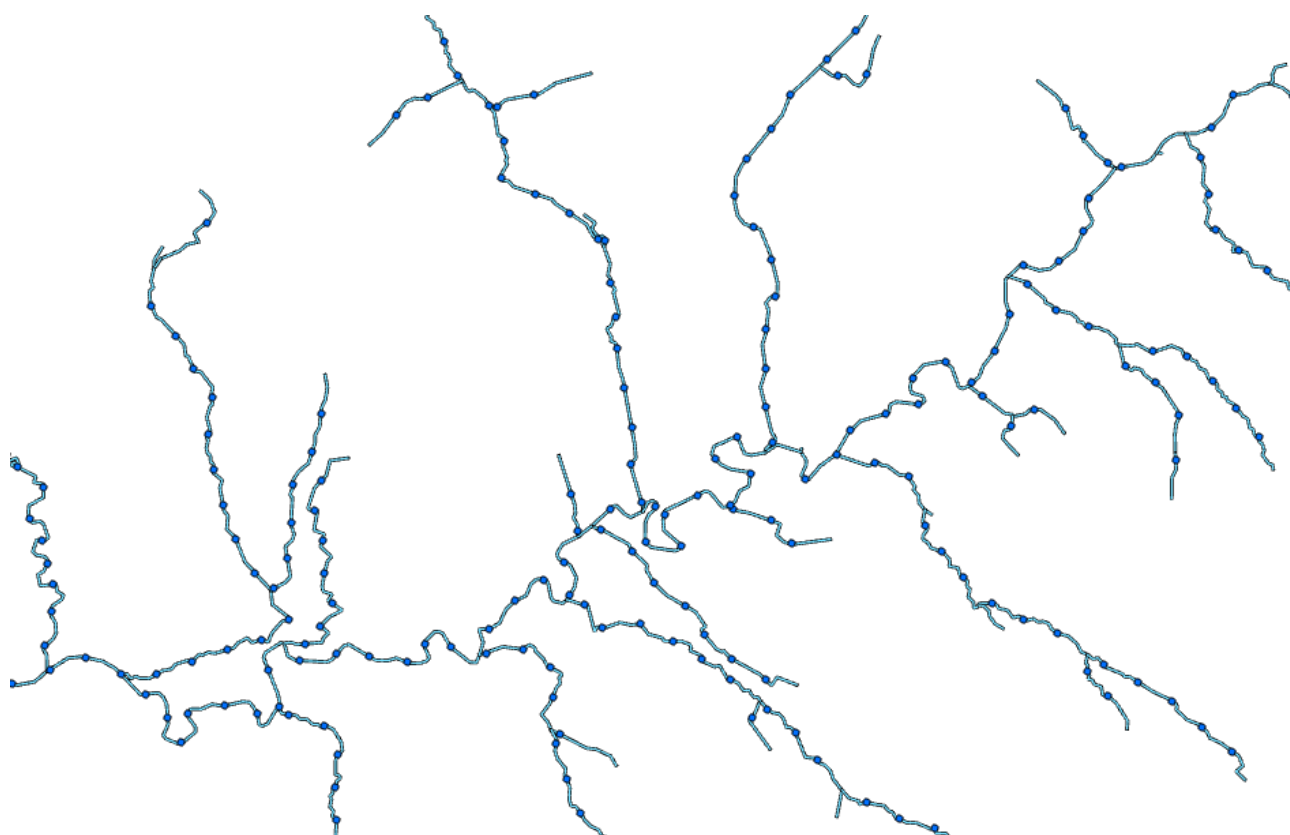
The specific details of the method and grid density for each indicator are detailed in the Theme 1 indicator details and Theme 2 indicator details sections.

For all visibility analysis, the maximum processing distance was set to 6 km from the source points. This is in accordance with the CPRE study for England, which itself drew the conclusions from *Benson et al (2002).* There is also a need to take into account processing time when performing this kind of analysis. Being very computationally intensive, it can take several days to run some of the visibility processes. Striking a balance between accuracy and practicality was considered as part of this methodology development, and this is covered in more detail in the Limitations and future enhancements section.

Scoring

Once all the analysis was complete, buffers were generated around the source datasets representing the features from which the visibility was being calculated. These were at the following distances:

- 500 metres

- 1 kilometre

- 2 kilometres

- 5 - 6 kilometres

In order to represent features that are closer having more visual impact than features that are further away, these buffers were then combined with the results of the visibility analysis to work out if a pixel is both within a certain distance, and visible. The pixels were then scored based on these factors. The scoring varies for each indicator, but has a maximum value of 10 and a minimum of 0 (for no visibility). An example of the scoring can be seen in Table 2 below.

Table 2 Example of indicator scoring approach

Distance	500m	1km	2km	5km	>5km
Score	9	6	3	2	1

Combination of indicators

Once all of the indicators had been scored for each theme, they were combined together to give a total score for each pixel.

The rural and urban analysis was combined separately. The urban analysis covers only those urban areas identified in the Urban Tree Cover dataset with a 6km buffer around them, and the rural analysis covers the whole country, including the areas covered by the urban analysis.

This generated separate layers for:

- Theme 1 rural

- Theme 2 rural
- Theme 1 urban
- Theme 2 urban

The layer for theme 3 (relative dark skies) was prepared in 2021 in a separate study. The same layer is used for rural and urban analysis. The original data layer has a resolution of 400m. For the purposes of combining the themes, the data was resampled to 50m for the rural analysis and 10m for the urban analysis.

Combination of themes

Once the data for themes 1 and 2 had been processed, the resulting datasets were combined and theme 3 (relative dark skies) was added. Since the values these layers contain did not have the same range, they were normalised to have a range from 0 to 1. Those pixels with a value of 0 have the lowest tranquillity, and those with a value of 1, the highest.

However, the scoring worked differently between the three themes. This was because theme 1 was measuring the presence of factors that add to tranquillity, whereas the other two were looking at factors that detract from it:

For theme 1, visibility of more of the things measured by the indicators means the tranquillity value increases.

For theme 2, visibility of more of the things measured by the indicators means that the tranquillity value decreases.

For theme 3, visibility of more light pollution means that the tranquillity value decreases.

This can be seen by the range of values from the rural analysis shown in Table 3 and Table 4.

Table 3 Range of values for each theme (rural)

Theme	Pixel value representing lowest tranquillity level	Pixel value representing highest tranquillity level
1	2	97
2	55	0
3	32	0

Table 4 Range of values for each theme (urban)

Theme	Pixel value representing lowest tranquillity level	Pixel value representing highest tranquillity level
1	0	99
2	51	0
3	32	0

Because of this, for themes 2 and 3, the values were inverted as part of the normalisation process, so that for all three themes, higher values mean more tranquil pixels.

Table 5 Normalisation of theme scores

Theme	Normalised pixel value representing lowest tranquillity level	Normalised pixel value representing highest tranquillity level
1	0	1
2	0	1
3	0	1

In effect, for theme 1, the data assumes that a value of 0 is the default, and that more visibility increases this value. Whereas for themes 2 and 3, a value of 1 is the default, and more visibility (of detracting factors) reduces this value.

Once these three themes had been normalised, their values were added together to produce the theme 5 map (visually tranquil places). The data on this map has a theoretical maximum range of 0 – 3, with 0 being the least tranquil areas, and 3 the most.

The process outlined above will allow for the inclusion of theme 4 (acoustic environments) to be incorporated at a future date to generate theme 6, the full tranquillity resource.

The following two sections provide specific details on the data sources, method and results for each of the final indicators.

Theme 1 indicator details

This section gives the full details of the data used, the process followed and any assumptions made, for each indicator in theme 1.

Each indicator is presented with the following structure:

- Datasets – setting out the data sources used for both rural and urban analysis;
- Method – setting out the way in which the indicator has been modelled for the rural and urban analysis. This includes any relevant scoring; and
- Result – maps of the raw input data and results of the analysis for rural and urban areas.

Indicator T1-01 - Naturalness of the land cover

Datasets

Rural – Corine Land Cover

Urban – OS Mastermap

Method

Rural – Split into categories based on the Corine land cover type, and then give each 50 metre pixel in Wales a score based on the most natural type it contains. The scores for each Corine land cover type are broken down in Appendix 3.

Urban – Split into categories based on the Mastermap land cover type, and then give each 10 metre pixel in the urban areas a score based on the most natural type it contains. The scores for each Mastermap land cover type are broken down in Appendix 3.

Result

The results of the rural analysis are shown in Figure 5 and for the urban analysis Figure 6. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.

Figure 5: T1-01 Naturalness of land cover - rural data and map of results
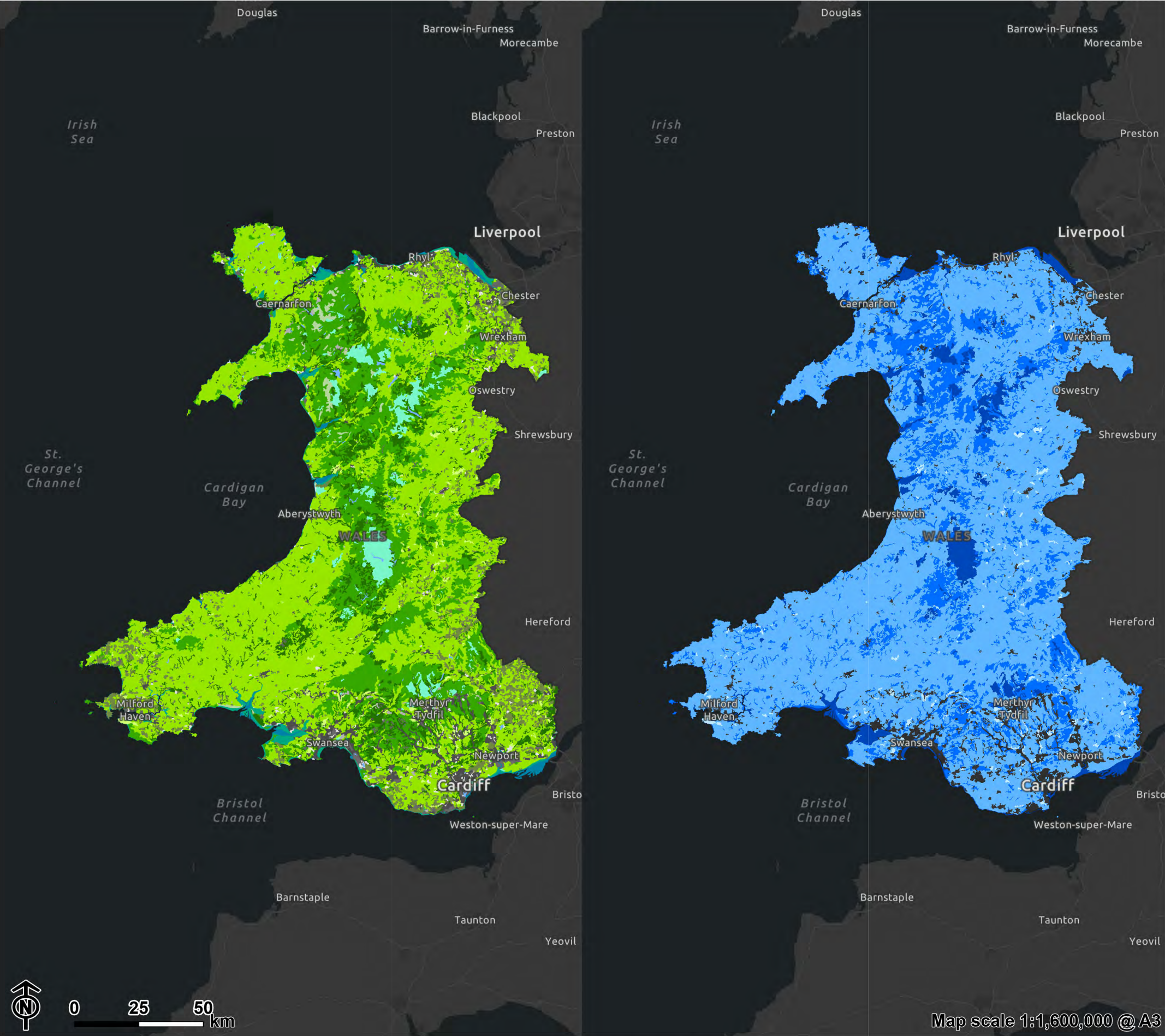
Data

Corine Land Cover 2018

- 1.1 Urban fabric
- 1.2 Industrial, comercial and transport units
- 1.3 Mine, dump and construction sites
- 1.4 Artificial, non-agricultural vegetated areas
- 2.1 Arable land
- 2.2 Permanent crops
- 2.3 Pastures
- 2.4 Heterogeneous agricultural areas
- 3.1 Forest
- 3.2 Shrub and/or herbaceous vegetation associations
- 3.3 Open spaces with little or no vegetation
- 4.1 Inland wetlands
- 4.2 Coastal wetlands
- 5.1 Inland waters
- 5.2 Marine waters

Result

- 0 - lowest tranquillity
- 2
- 4
- 6
- 8 - highest tranquillity

Data

Result

Map scale 1:1,600,000 @ A3

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 13/12/2024
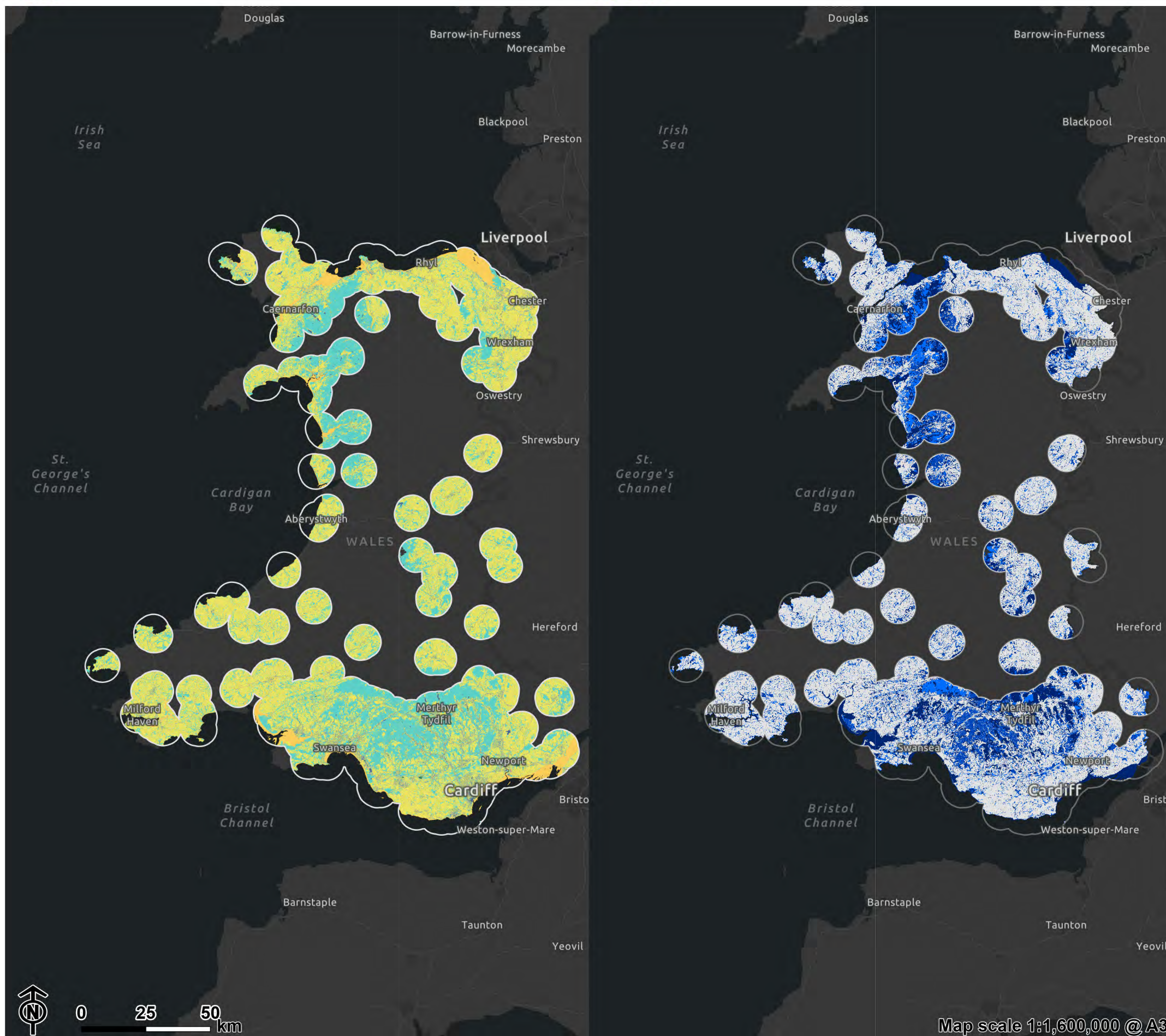
Data

Result

Figure 6: T1-01 Naturalness of land cover - urban data and map of results

Data

☐ Urban areas 6km buffer

MasterMap Descriptive Group

■ Building
■ General Surface
■ Glasshouse
■ Historic Interest
■ Inland Water
■ Landform
■ Natural Environment
■ Path
■ Rail
■ Road Or Track
■ Structure
■ Tidal Water
■ Unclassified

Result

☐ 0 - lowest tranquillity
■ 4
■ 6
■ 8
■ 10 - highest tranquillity

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024

Indicator T1-02 - Seeing wide open spaces

Datasets

Rural – OS Terrain 50

Urban – OS Terrain 5, Wales Green Infrastructure 2021 data

Method

Rural – Create a grid of points at 500 metre intervals across the whole of Wales, and calculate the number of points visible from each pixel of the analysis. The pixels were then grouped into five categories based on the number of points visible, with the 20% with the most visibility in category 1, the 20% with the next most visibility in category 2 and so on. These were scored as follows:

Category	1 (top 20% visibility)	2	3	4	5 (lowest 20% visibility
Score	10	8	6	4	2

Urban – Apply a 300m grid of points over the green space data, and calculate number of points visible from each pixel of analysis. Scoring distance values were chosen because of the guidance (Countryside Council for Wales, 2011) and review of evidence (Ekkel and de Vries, 2017) which states that open spaces provide a benefit when within close proximity to an individual's home.

Distance	100m	200m	400m	1km	>1km
Score	10	10	8	8	6

For views out of the urban areas into open countryside, the same approach as the rural analysis was used and added to the green space visibility.

Result

The results of this analysis are shown in Figure 7 and Figure 8 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.

Figure 7: T1-02 Seeing wide open spaces - rural data and map of results

Data

· 500m grid point

Result

☐ 0 - lowest tranquillity
☐ 2
☐ 4
☐ 6
☐ 8
☐ 10 - highest tranquillity

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales
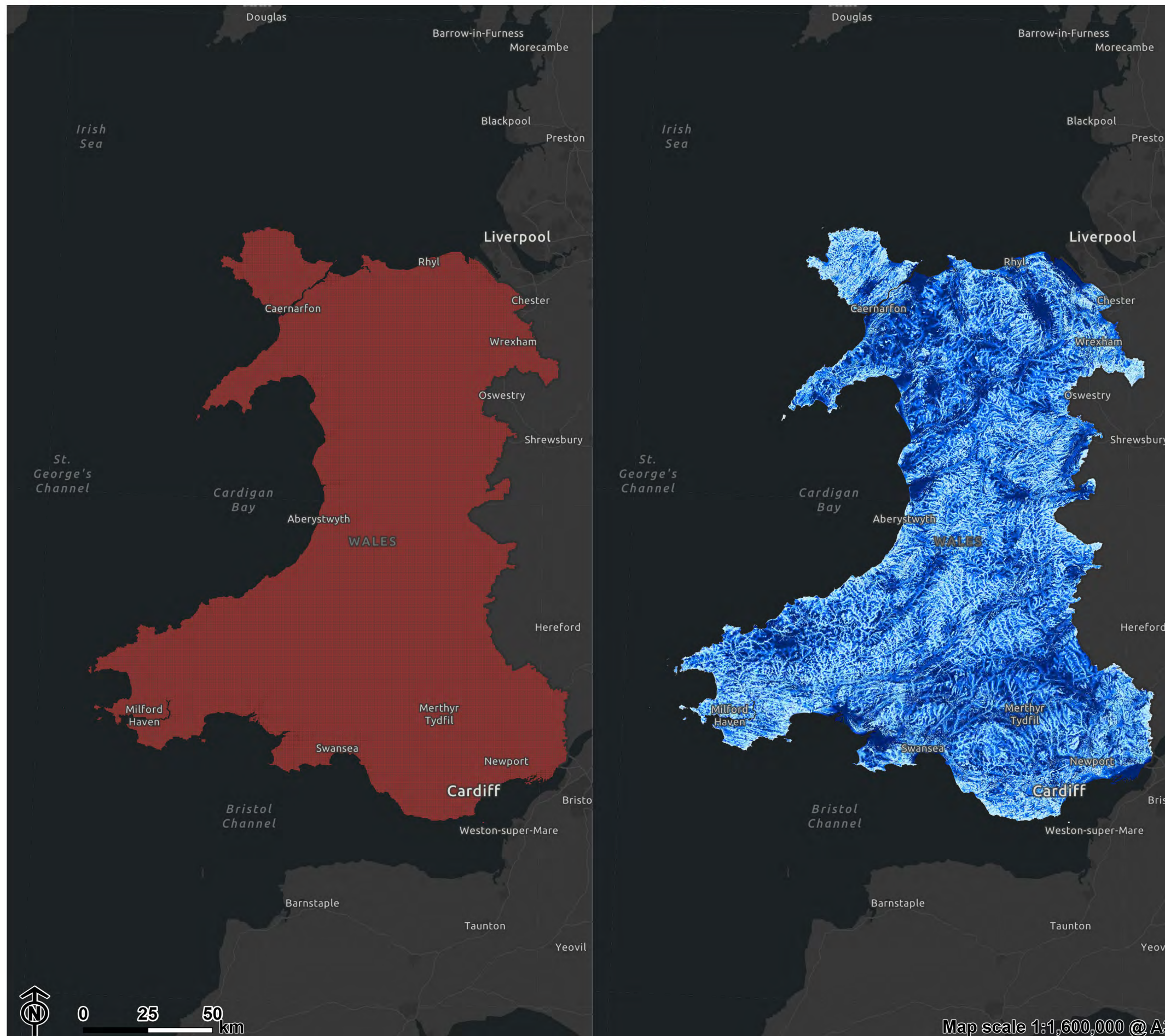
Figure 8: T1-02 Seeing wide open spaces - urban data and map of results

Tranquillity and Place
Natural Resources Wales
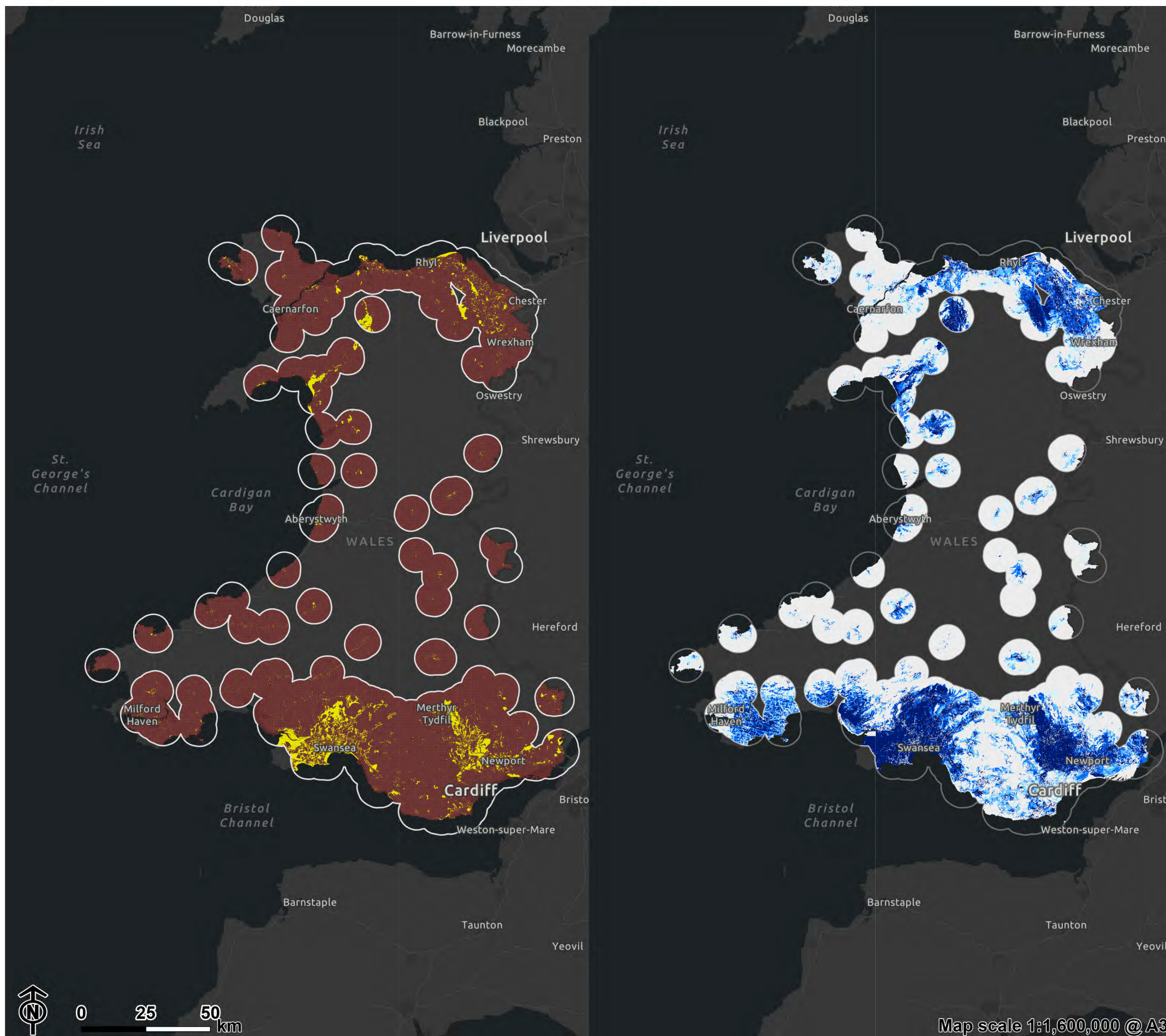
Data

- Urban areas 6km buffer
- 500m grid point
- Wales Green Infrastructure

Result

- 0 - lowest tranquillity
- 2
- 4
- 6
- 8
- 10 - highest tranquillity

Contains Natural Resources Wales information © Natural Resources Wales and database right. Contains derived Ordnance Survey Data. Ordnance Survey license number 100019741. Crown Copyright and Database right 2024. Esri UK, Esri, HERE, Garmin, FAO, METI/NASA, USGS

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024

Indicator T1-03 - Seeing the sea

Datasets

Rural – Marine Management Organisation Visibility of sea from land

Urban – Marine Management Organisation Visibility of sea from land

Method

Rural – For this indicator, the equivalent methodology for England (CPRE study) did not decrease the score with distance (any view of the sea is considered equal). The views of those consulted as part of this study aligned with this approach. Therefore, the data was used as provided, and any areas that had a view of the sea scored 10.

Urban – Identical to the rural method.

Result

The results of this analysis are shown in Figure 9 and Figure 10 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.

Tranquillity and Place
Natural Resources Wales

Figure 9: T1-03 Seeing the sea - rural data and map of results

Data

Land with sea view

1 - 10% (lowest)
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100% (highest)

Result

0 - lowest tranquillity
10 - highest tranquillity

Data

Result

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 13/12/2024

Data

Result

Douglas

Barrow-in-Furness
Morecambe

Blackpool
Preston

Liverpool

Rhyl

Irish
Sea

Caernarfon

Chester

Wrexham

Oswestry

St.
George's
Channel

Cardigan
Bay

Shrewsbury

Aberystwyth

WALES

Hereford

Milford
Haven

Merthyr
Tydfil

Swansea

Newport

Bristo

Bristol
Channel

Cardiff

Weston-super-Mare

Barnstaple

Taunton

Yeovil

N

0   25   50
km

Douglas

Barrow-in-Furness
Morecambe

Blackpool
Preston

Liverpool

Rhyl

Irish
Sea

Caernarfon

Chester

Wrexham

Oswestry

St.
George's
Channel

Cardigan
Bay

Shrewsbury

Aberystwyth

WALES

Hereford

Milford
Haven

Merthyr
Tydfil

Swansea

Newport

Bristo

Bristol
Channel

Cardiff

Weston-super-Mare

Barnstaple

Taunton

Yeovil

Map scale 1:1,600,000 @ A3

Figure 10: T1-03 Seeing the sea - urban data and map of results
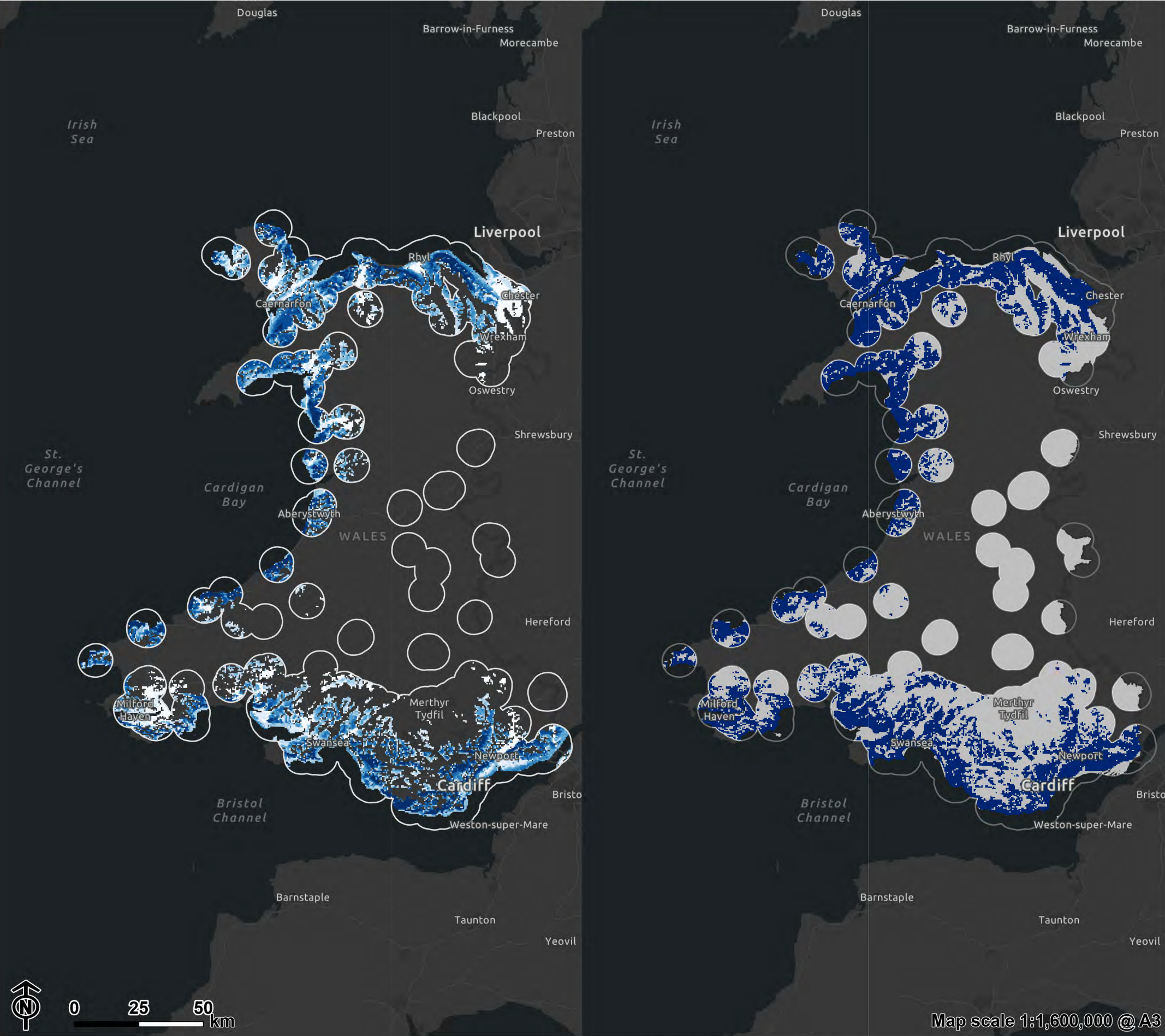
Data

☐ Urban areas 6km buffer

Land with sea view

1 - 10% (lowest)
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100% (highest)

Result

0 - lowest tranquillity

10 - highest tranquillity

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Indicator T1-04 - Seeing streams, rivers and canals

Datasets

Rural – OpenRivers

Urban – OpenRivers (the OSMM water network was too detailed for the resampled 10m surface)

Method

Rural – Generate points every 100m along rivers and canals, and calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	10	8	8	6

Urban – Generate points every 100m along rivers and canals, and calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	10	8	8	6

Result

The results of this analysis are shown in Figure 11 and Figure 12 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.

Tranquillity and Place
Natural Resources Wales

Figure 11: T1-04 Seeing streams, rivers and canals - rural data and map of results

Data
⎯⎯ Watercourse

Result
☐ 0 - lowest tranquillity
■ 6
■ 8
■ 10 - highest tranquillity

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 13/12/2024

Data

Result

Figure 12: T1-04 Seeing streams, rivers and canals - urban data and map of results
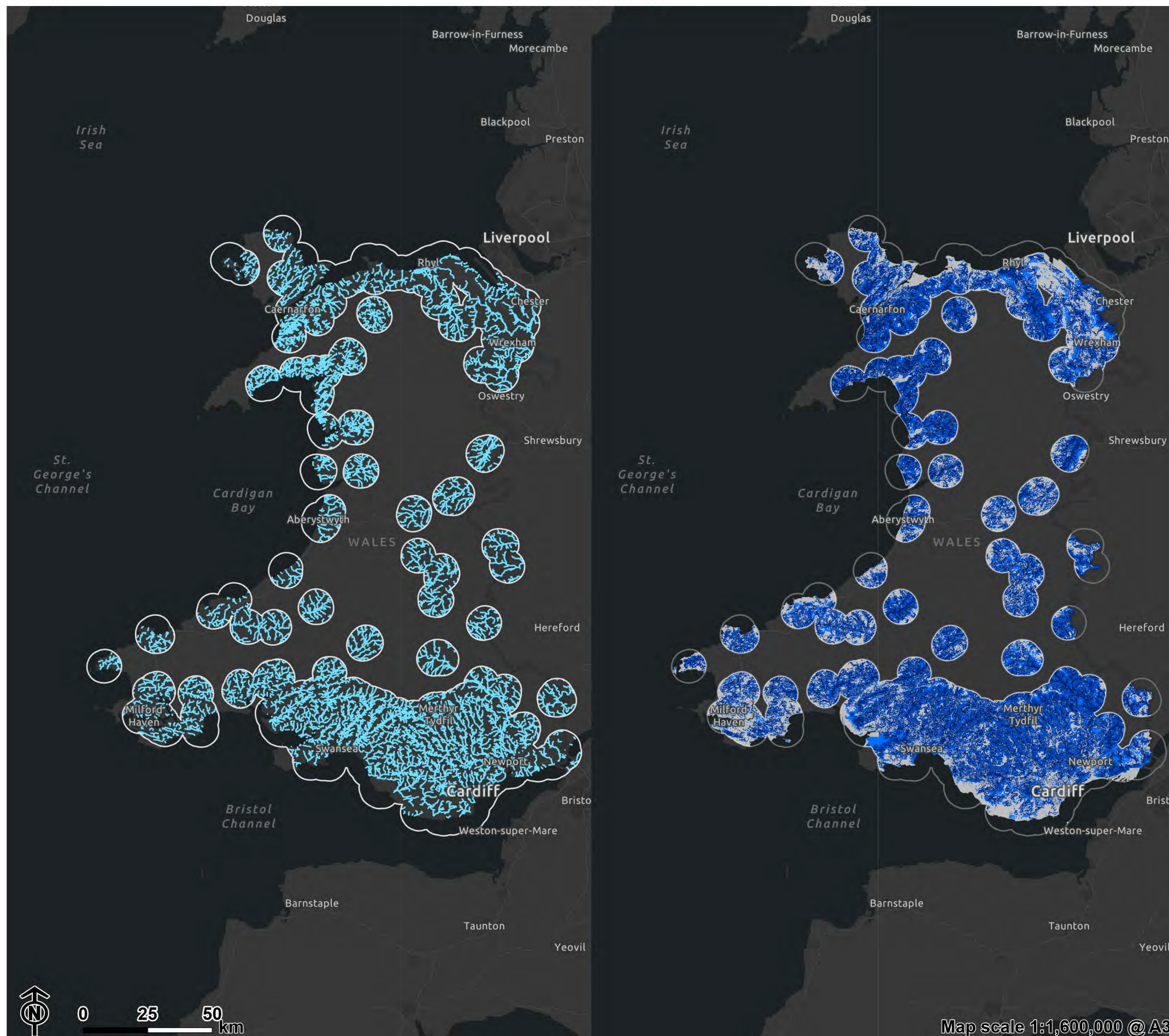
Data

☐ Urban areas 6km buffer

— Watercourse

Result

☐ 0 - lowest tranquillity

■ 6

■ 8

■ 10 - highest tranquillity

Contains Natural Resources Wales information © Natural Resources Wales and database right. Contains derived Ordnance Survey Data. Ordnance Survey license number 100019741. Crown Copyright and Database right 2024. Esri UK, Esri, HERE, Garmin, FAO, METI/NASA, USGS

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024

Indicator T1-05 - Seeing standing water

Datasets

Rural – Lle Lakes Inventory

Urban – Lle Lakes Inventory (the OS MasterMap originally suggested was too detailed for the resampled 10m surface)

Method

Rural – Generate grid of points at 100m intervals and intersect with waterbodies above 2ha, and points at 100m intervals around perimeter of waterbodies. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	10	8	8	6

Urban – Generate grid of points at 100m intervals and intersect with waterbodies above 2ha, and points at 100m intervals around perimeter of waterbodies. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	10	8	8	6

Result

The results of this analysis are shown in Figure 13 and Figure 14 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.
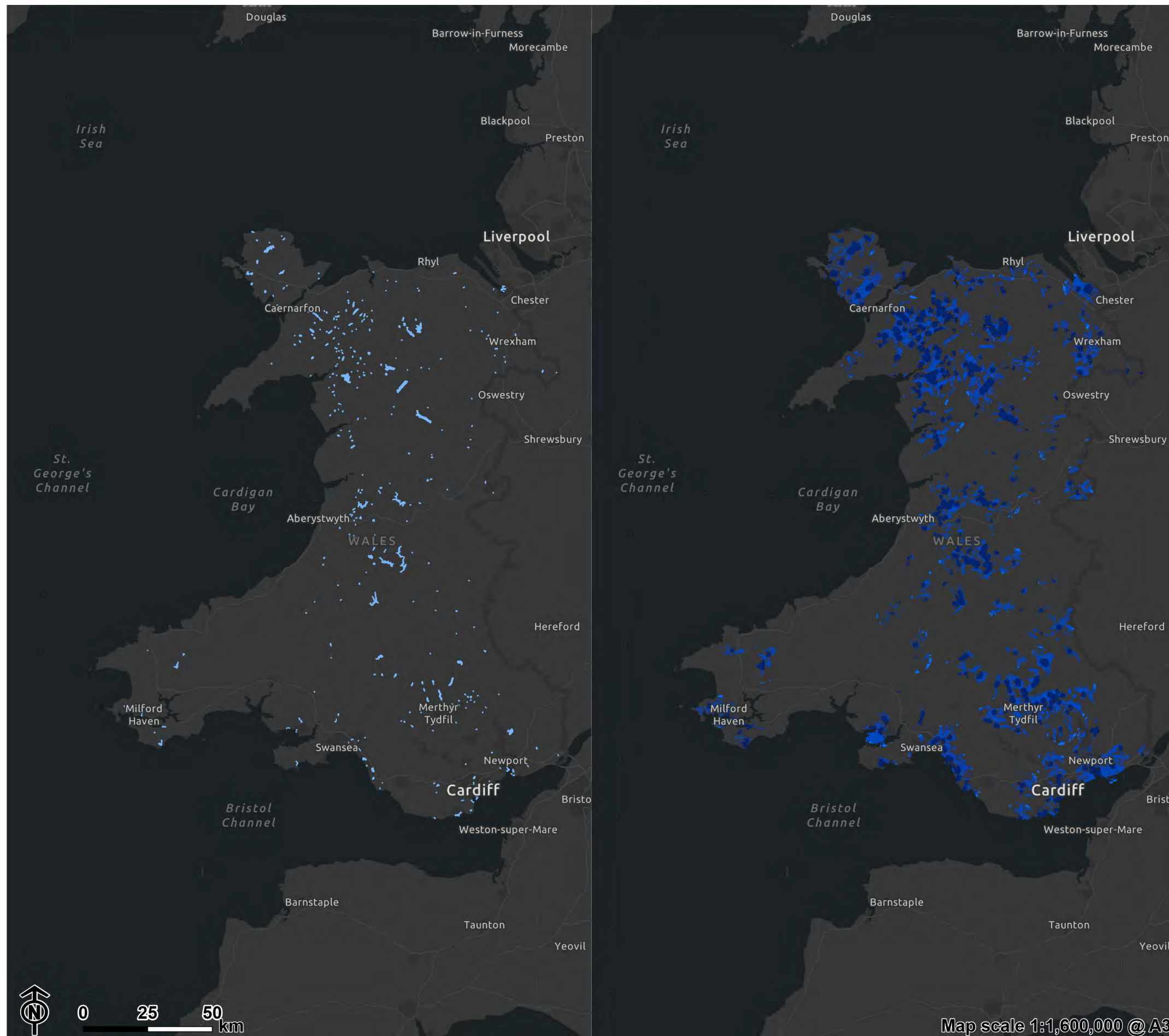
Data

Result

Figure 13: T1-05 Seeing standing water - rural data and map of results

Data

Waterbody

Result

0 - lowest tranquillity

6

8

10 - highest tranquillity

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Map scale 1:1,600,000 @ A3

Figure 14: T1-05 Seeing standing water - urban data and map of results

Data

Result

Data

Urban areas 6km buffer

Waterbody

Result

0 - lowest tranquillity

6

8

10 - highest tranquillity

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024
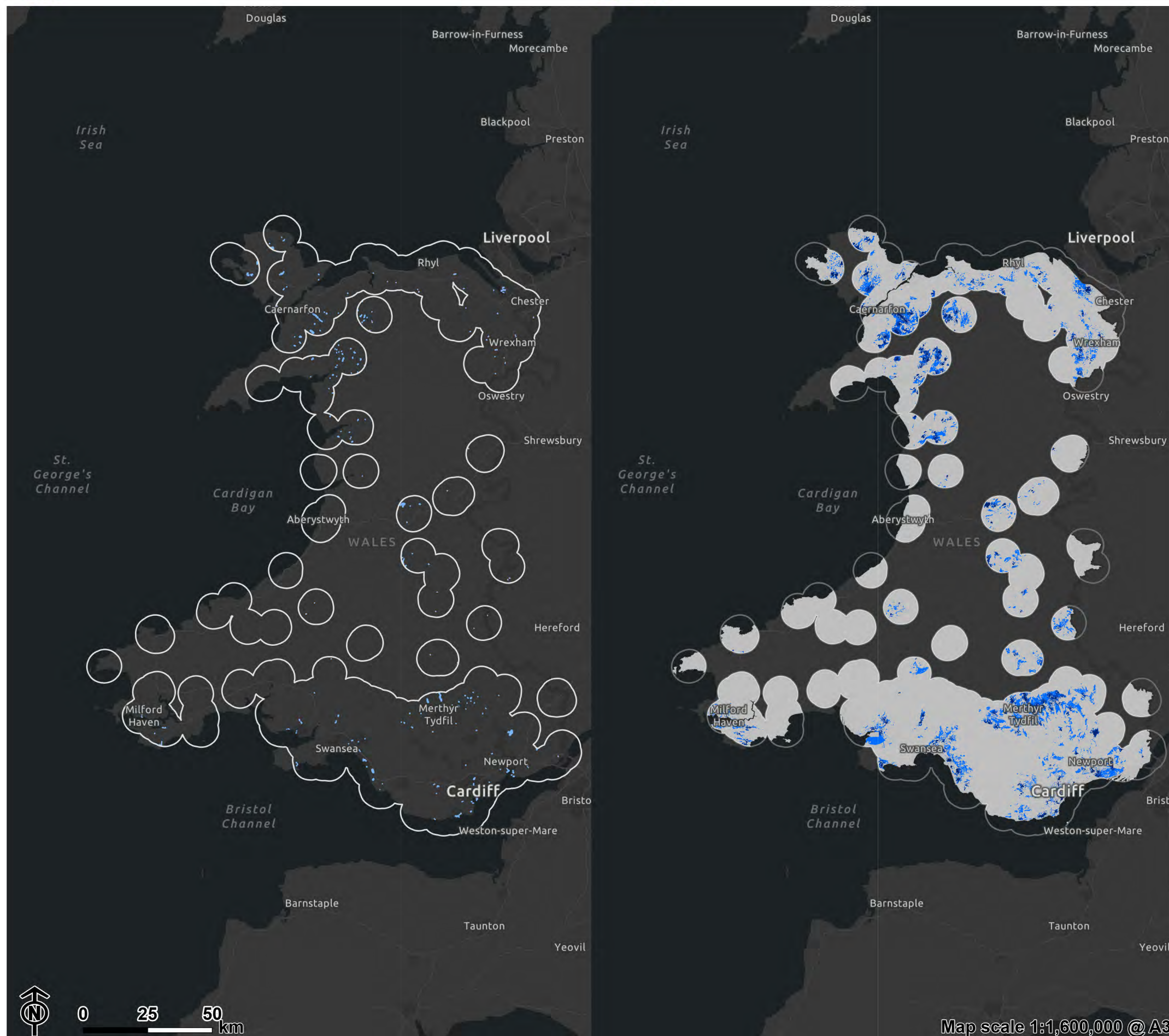
Indicator T1-06 - Seeing woodland

Datasets

Rural – National Forest Inventory

Urban – Urban Tree Cover data, National Forest Inventory

Method

Rural – Split the data into 'coniferous', 'broadleaved' and 'other'. Generate grid of points at 100m intervals and intersect with woodland blocks above 0.5ha, and points at 100m intervals around perimeter of woodland. Run separate visibility analysis for each type, and then combine.

Distance	500m	1km	2km	5km	>5km
Score	7	6	6	6	6

In addition, the number of different types of woodland visible has been taken into account by overlaying the three woodland ZTVs. These were scored as follows:

Number of types of woodland visible	3	2	1
Score	3	2	1

Because of these additional scores the maximum score is 10, and the lowest possible is 7.

Urban – A point for each tree split into coniferous, broadleaved and other. The heights based on assumed height of woodland, modified with iTree attributes. Run separate visibility analysis for each type, and then combine.

Distance	100m	200m	400m	1km	>1km
Score	7	6	6	6	6

The number of different types of woodland visible has been taken into account by overlaying the three woodland ZTVs. These were scored as follows:

Number of types of woodland visible	3	2	1
Score	3	2	1

Because of these additional scores the maximum score is 10, and the lowest possible is 7.

## Result

The results of this analysis are shown in Figure 15 and Figure 16 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.

Data

Result

Figure 15: T1-06 Seeing woodland - rural data and map of results

Data

National Forest Inventory 2019

Result

	0 - lowest tranquillity
	7
	8
	9
	10 - highest tranquillity

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Map scale 1:1,600,000 @ A3

Tranquillity and Place
Natural Resources Wales

Figure 16: T1-06 Seeing woodland - urban data and map of results

Data

☐ Urban areas 6km buffer

🟩 National Forest Inventory 2019

Urban trees not shown on map

Result

⬜ 0 - lowest tranquillity
🟦 7
🟦 8
🟦 9
🟦 10 - highest tranquillity

Contains Natural Resources Wales information ©
Natural Resources Wales and database right.
Contains derived Ordnance Survey Data. Ordnance
Survey license number 100019741. Crown Copyright
and Database right 2024. Esri UK, Esri, HERE,
Garmin, FAO, METI/NASA, USGS
Forestry Commission

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024
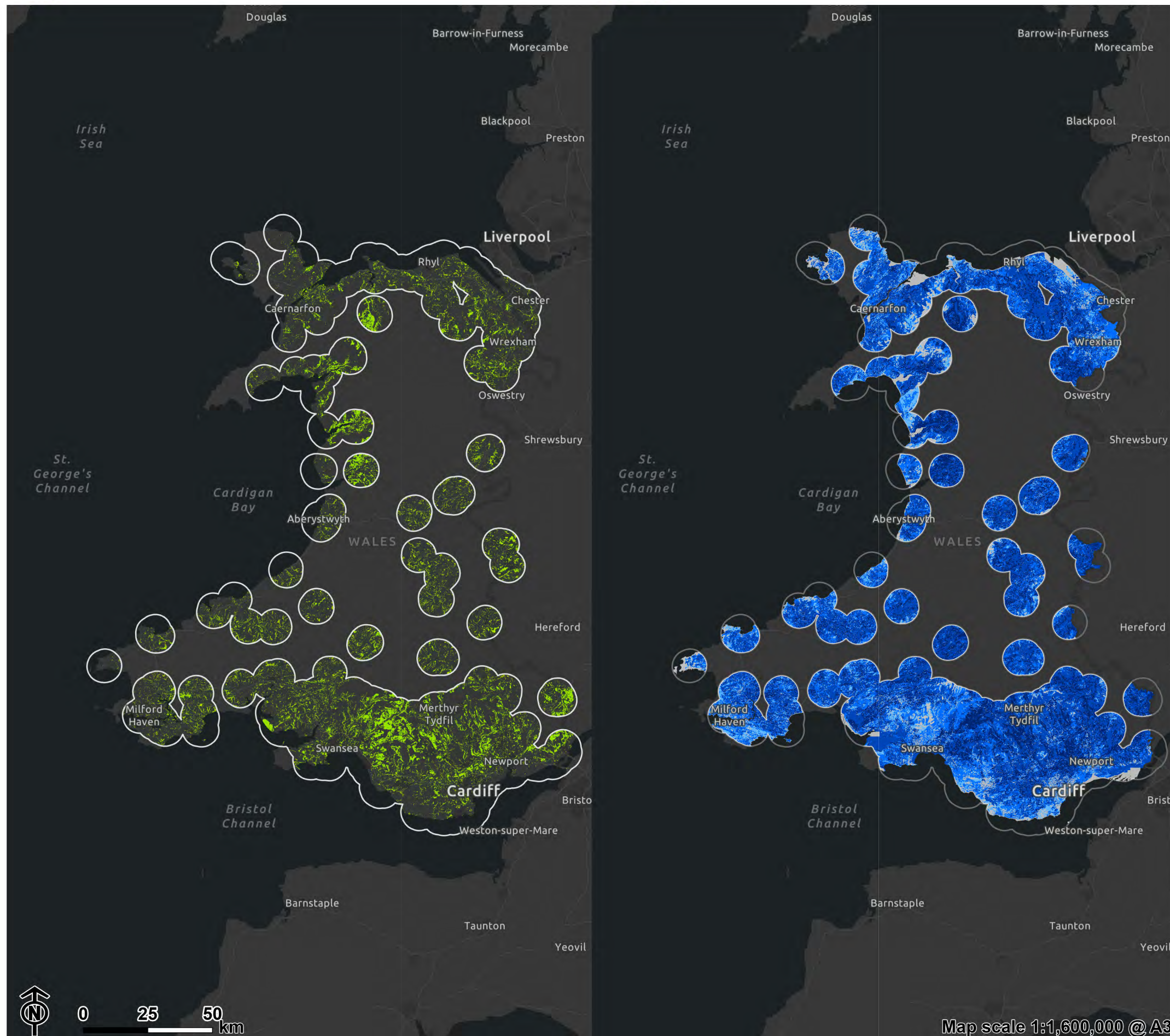
Indicator T1-07 - Seeing time depth

Datasets

Rural – Listed buildings, scheduled monuments, historic parks and gardens, World Heritage Sites, heritage coasts, selected features from green infrastructure dataset.

Urban – Listed buildings, scheduled monuments, historic parks and gardens, World Heritage Sites, heritage coasts, green flag sites and open space features from green infrastructure dataset.

Registered Historic Landscapes were discussed at the stakeholder workshop and it was agreed to exclude these areas.

Method

Rural – Generate grid of points at 250m intervals and intersect with selected features. Add in points for listed buildings. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	9	8	8	7

Urban – Generate grid of points at 50m intervals and intersect with selected features. Add in points for listed buildings. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	9	8	8	7

Result

The results of this analysis are shown in Figure 17 and Figure 18 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.

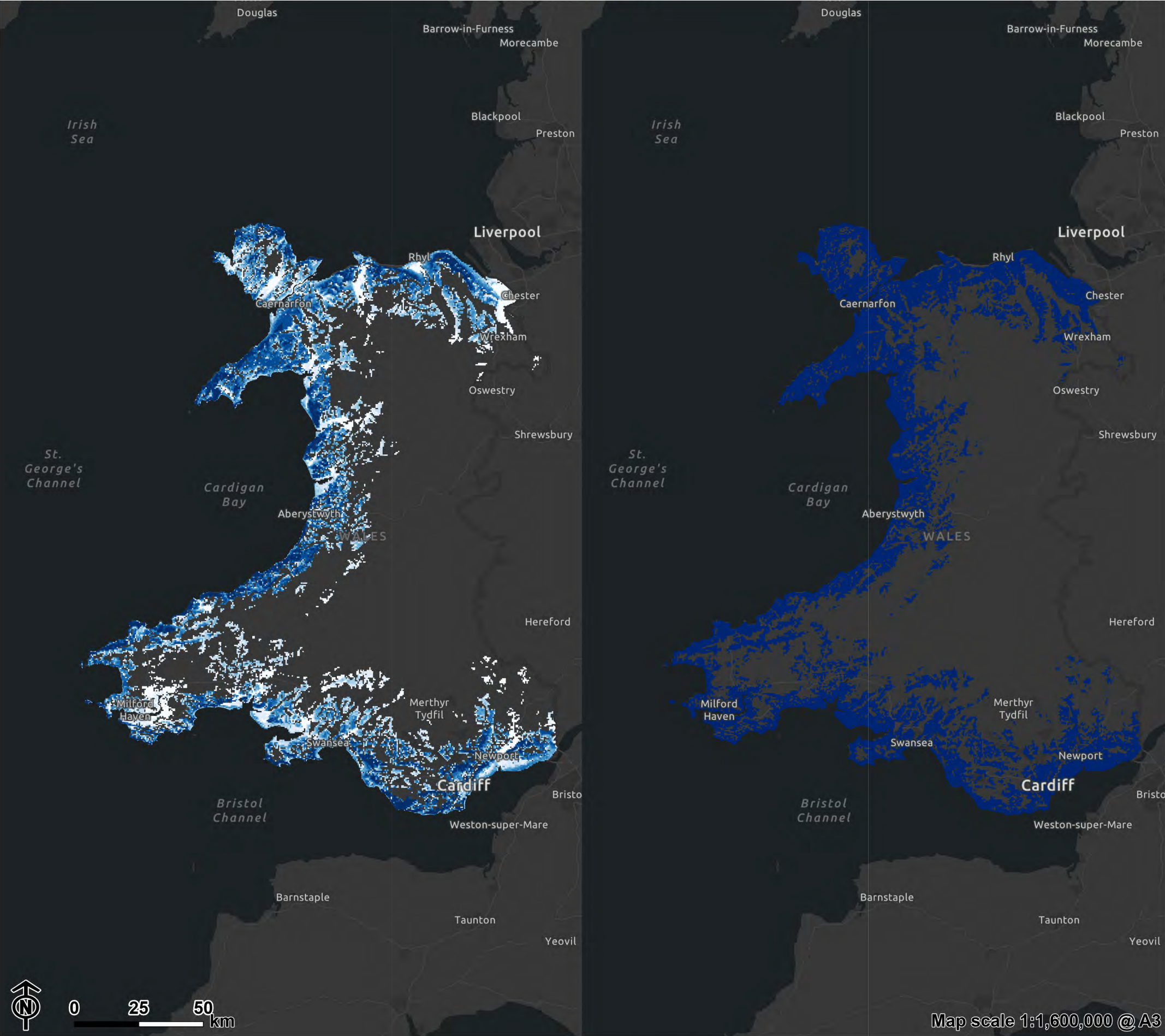**Tranquillity and Place**
Natural Resources Wales

LUC

Data

Result

Figure 17: T1-07 Seeing time depth - rural data and map of results

Data

Scheduled monuments, historic parks and gardens, World Heritage Sites, heritage coasts, selected features from green infrastructure dataset

Listed building

Result

0 - lowest tranquillity

7

8

9

10 - highest tranquillity

Cyfoeth Naturiol Cymru
Natural Resources Wales

Map scale 1:1,600,000 @ A3

Tranquillity and Place
Natural Resources Wales
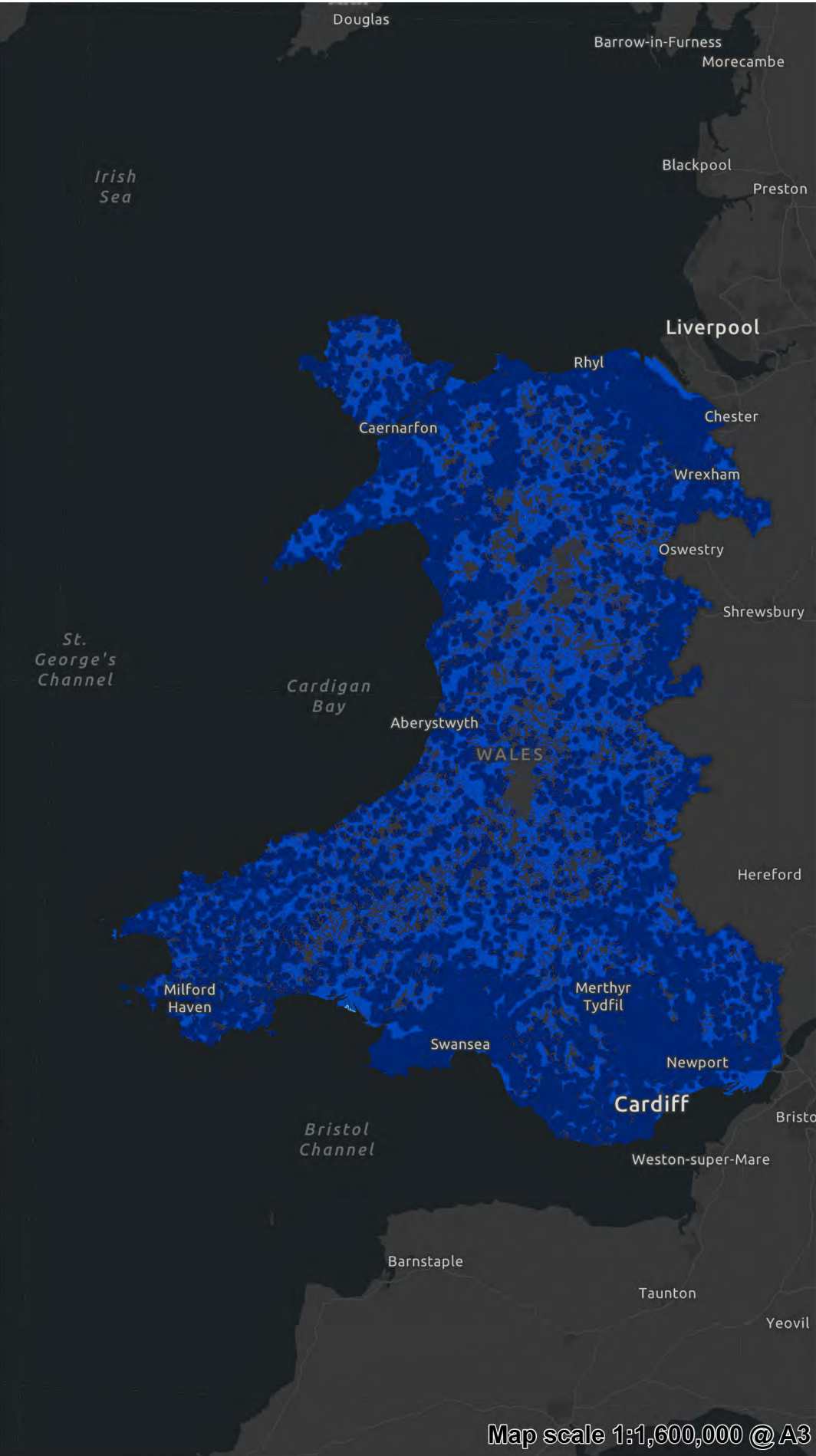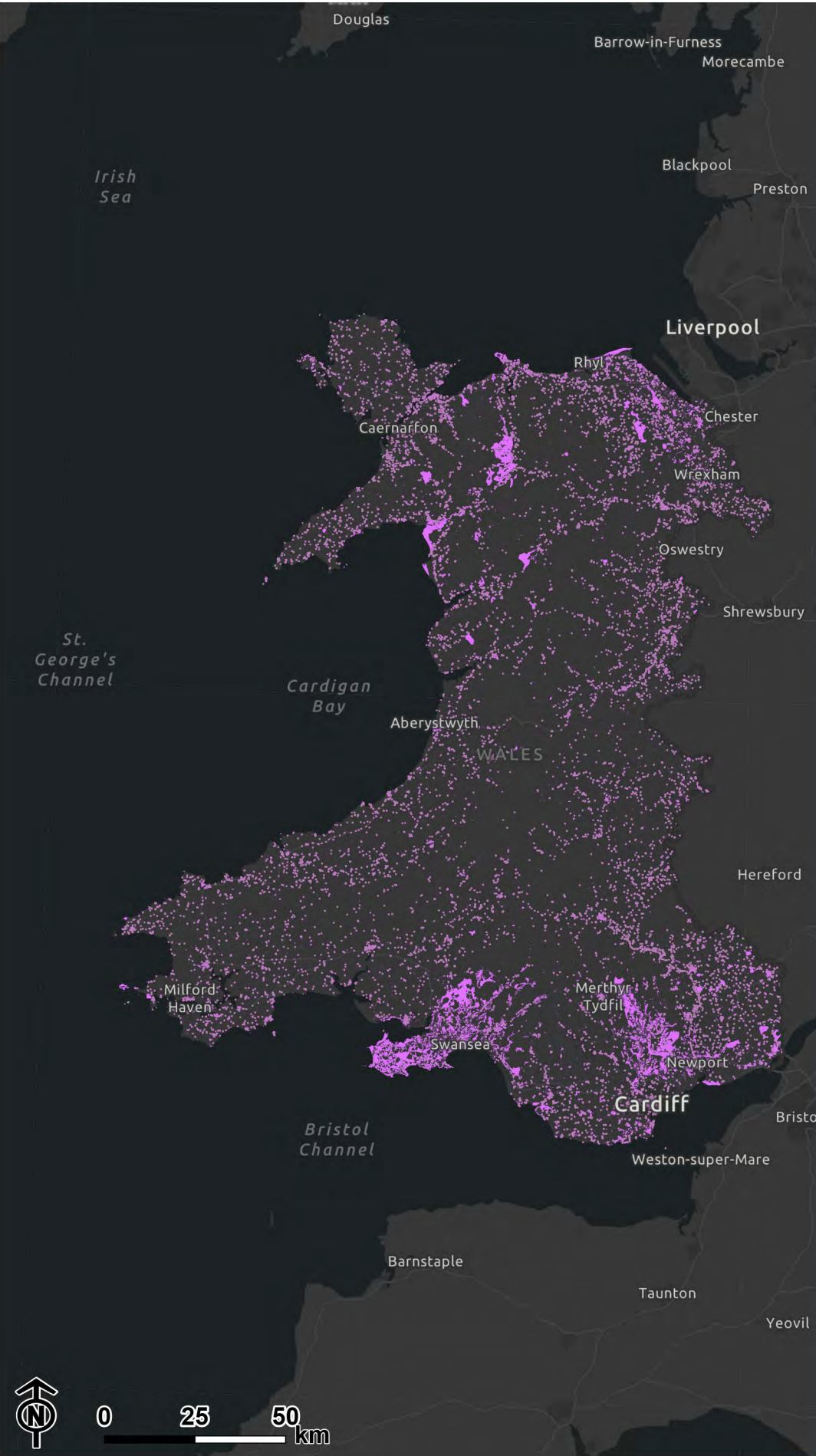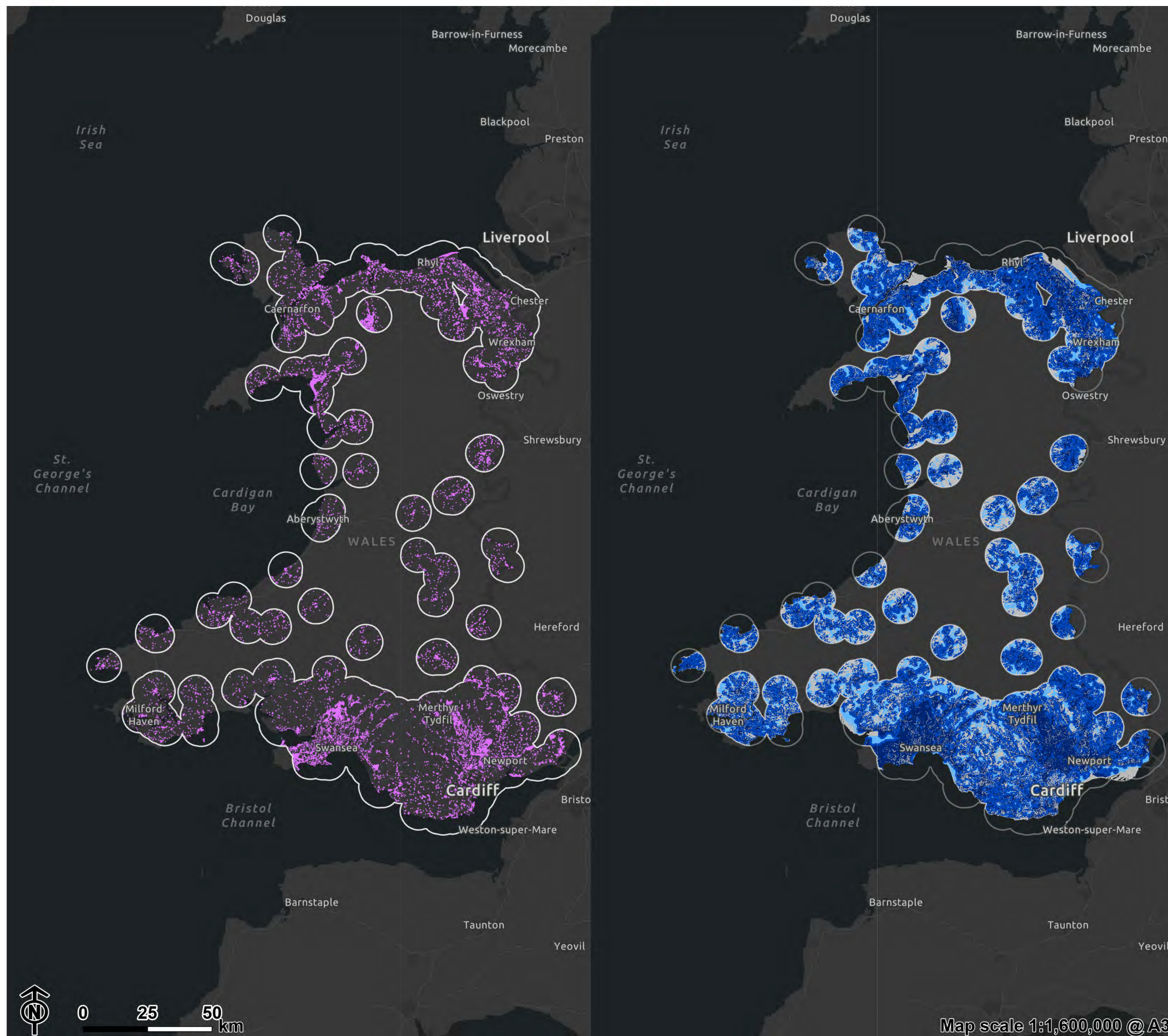
Figure 18: T1-07 Seeing time depth - urban data and map of results

Data

☐ Urban areas 6km buffer

Scheduled monuments, historic parks and gardens, World Heritage Sites, heritage coasts, selected features from green infrastructure dataset

Listed building

Result

0 - lowest tranquillity
7
8
9
10 - highest tranquillity

Contains Natural Resources Wales information © Natural Resources Wales and database right. Contains derived Ordnance Survey Data. Ordnance Survey license number 100019741. Crown Copyright and Database right 2024. Esri UK, Esri, HERE, Garmin, FAO, METI/NASA, USGS CADW, HE, NRW, NE

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 19/12/2024

Indicator T1-08 - LANDMAP Visual & Sensory outstanding and high landscapes

Datasets

Rural – LANDMAP Visual and Sensory – Outstanding and High areas.

Urban – LANDMAP Visual and Sensory – Outstanding and High areas.

Method

Rural – Generate grid of points at 500m intervals and intersect with selected features. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	10	10	10	10

Urban – Generate grid of points at 500m intervals and intersect with selected features. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	10	10	10	10

Stakeholders considered views of high and outstanding landscapes to be as beneficial as being within a high or outstanding landscape; this is reflected in the scores being high across all distance bands.

Result

The results of this analysis are shown in Figure 19 and Figure 20 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.
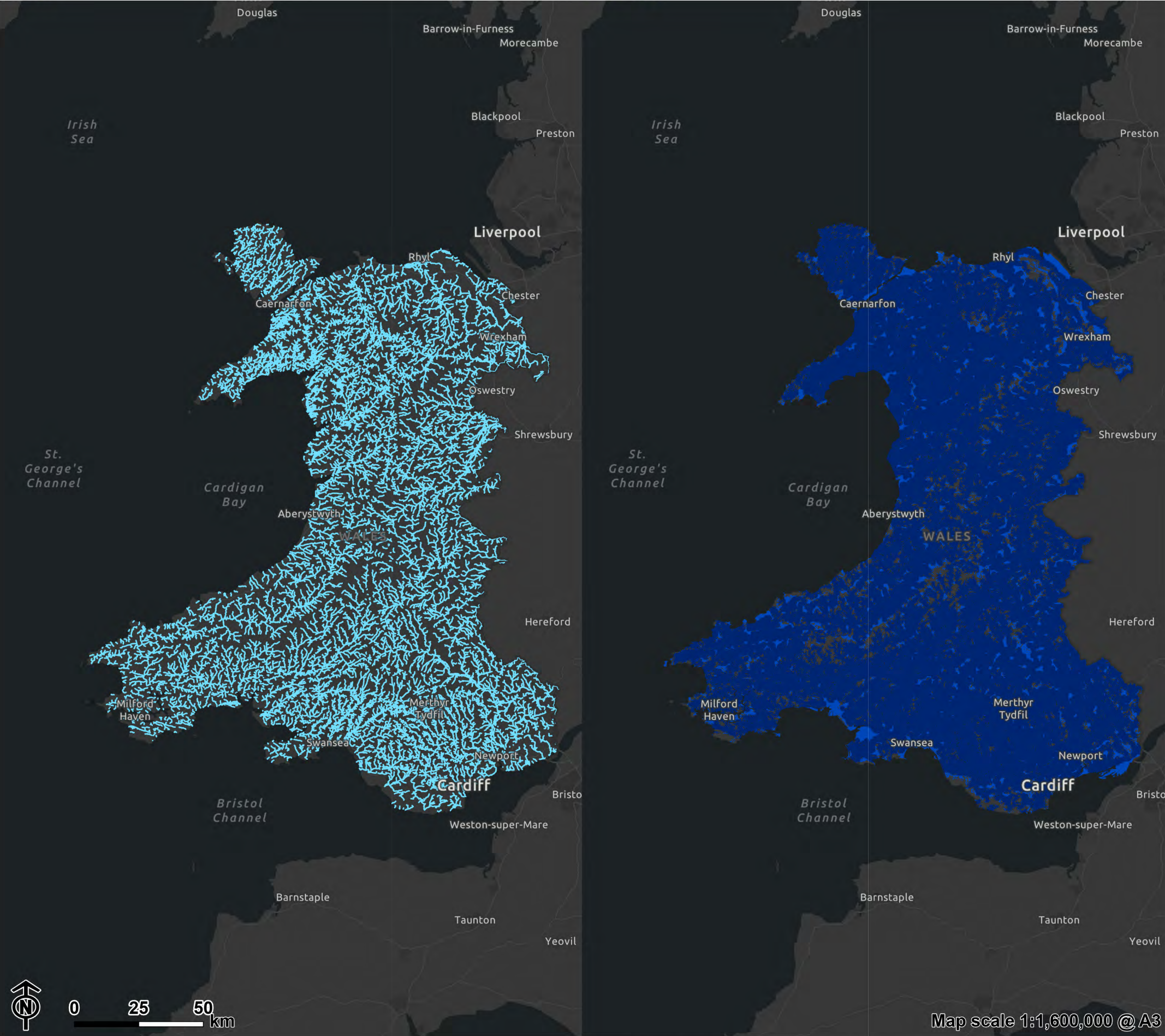
Data

Result

Figure 19: T1-08 LANDMAP Visual & Sensory outstanding and high landscapes - rural data and map of results

Data

☐ LANDMAP: Outstanding and high Visual & Sensory

Result

☐ 0 - lowest tranquillity

■ 10 - highest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth Naturiol Cymru
Natural Resources Wales

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 09/12/2024
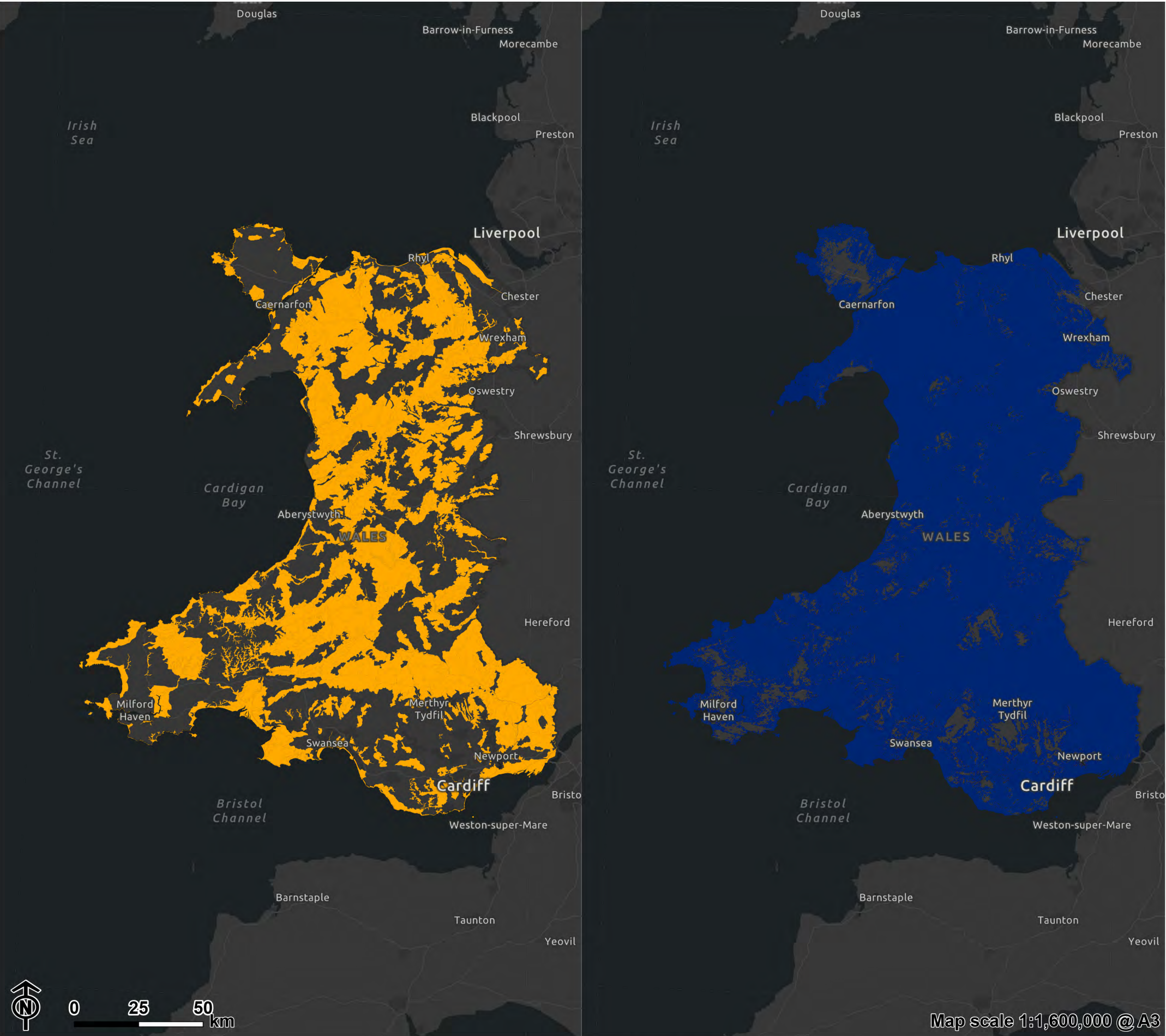
Data

Result

Figure 20: T1-08 LANDMAP Visual & Sensory outstanding and high landscapes - urban data and map of results

Data

Urban areas 6km buffer

LANDMAP: Outstanding and high Visual & Sensory

Result

0 - lowest tranquillity

10 - highest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth
Naturiol
Cymru

Natural
Resources
Wales

Contains Natural Resources Wales information ©
Natural Resources Wales and database right.
Contains derived Ordnance Survey Data. Ordnance
Survey license number 100019741. Crown Copyright
and Database right 2024. Esri UK, Esri, HERE,
Garmin, FAO, METI/NASA, USGS

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024
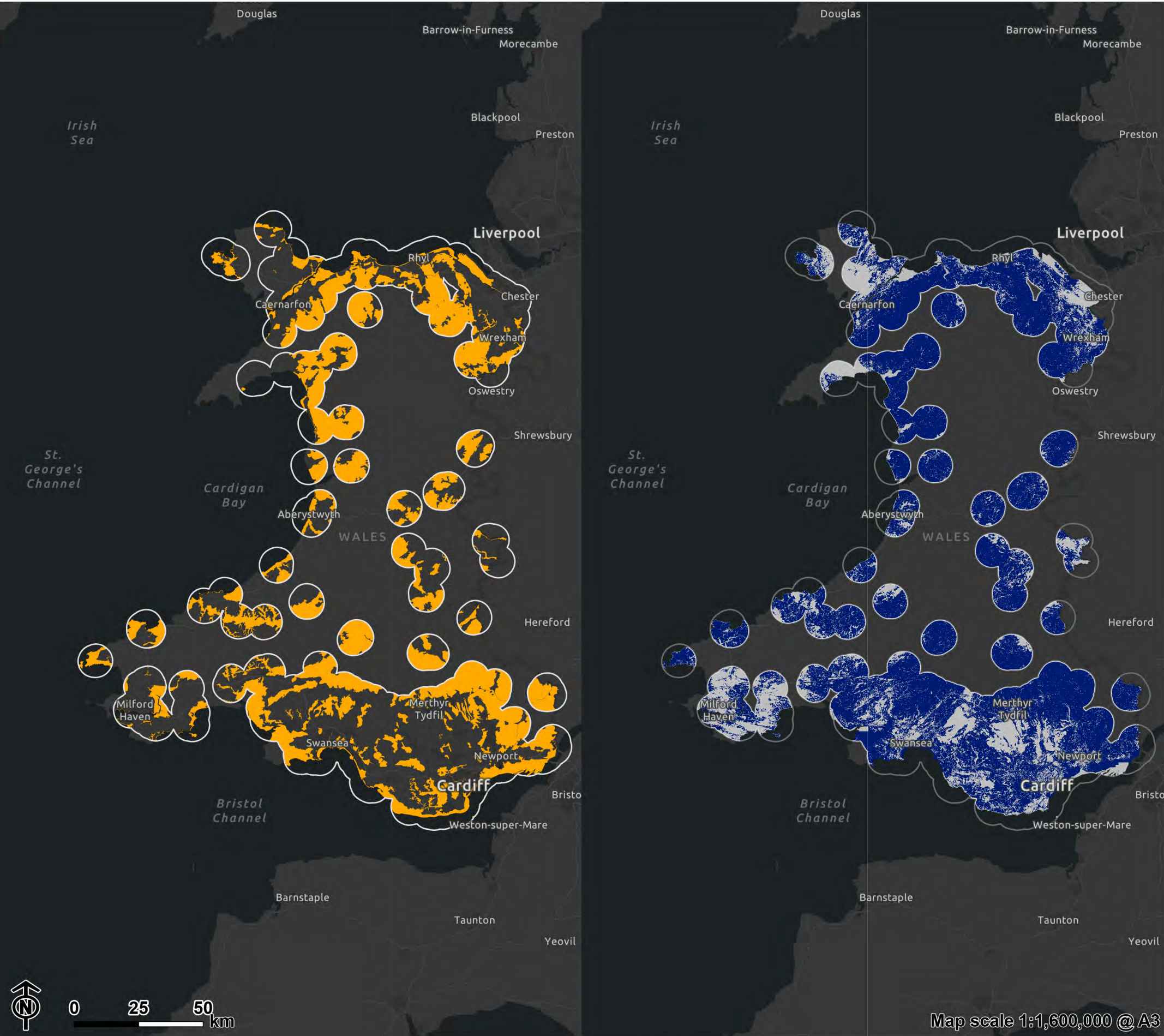
Indicator T1-09 - Seeing natural designations

Datasets

Rural – Special Area Conservation (SAC), Special Protection Area (SPA), Ramsar (wetlands of international importance), Site of Special Scientific Interest (SSSI), Local Nature Reserve (LNR), National Nature Reserve (NNR) and Royal Society for the Protection of Birds (RSPB) sites

Urban – SAC, SPA, Ramsar, SSSI, LNR, NNR and RSPB sites

Method

Rural – Generate grid of points at 250m intervals and intersect with selected features. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	10	10	10	10

Urban – Generate grid of points at 250m intervals and intersect with selected features. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	10	10	10	10

Stakeholders considered views of natural landscapes to be as beneficial as being within a natural landscape; this is reflected in the scores being high across all distance bands.

Result

The results of this analysis are shown in Figure 21 and Figure 22 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.
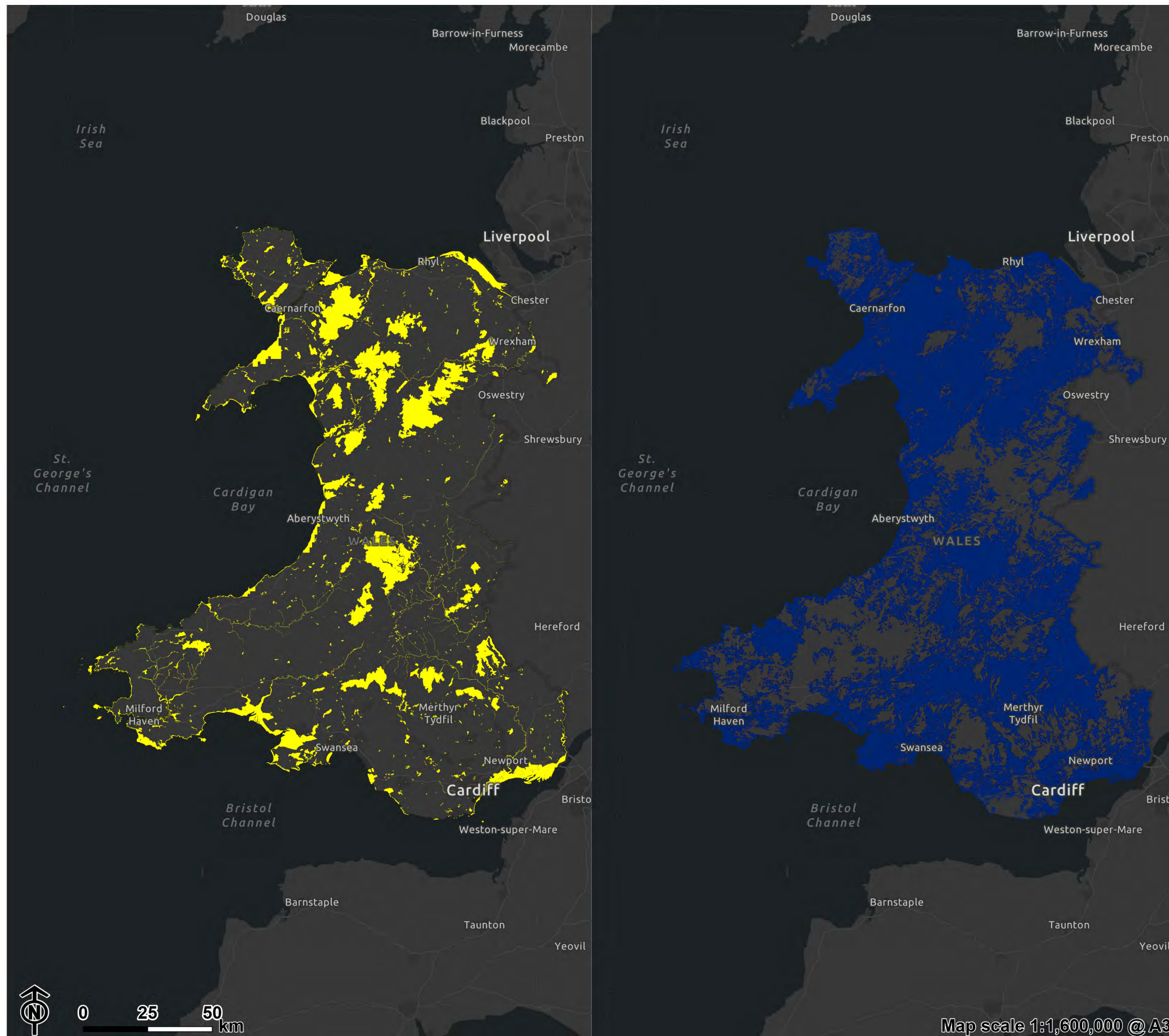
Figure 21: T1-09 Seeing natural designations - rural data and map of results

Data

SAC, SPA, Ramsar, SSSI, LNR, NNR and RSPB sites

Result

0 - lowest tranquillity

10 - highest tranquillity

Cyfoeth Naturiol Cymru
Natural Resources Wales

Contains Natural Resources Wales information © Natural Resources Wales and database right. Contains derived Ordnance Survey Data. Ordnance Survey license number 100019741. Crown Copyright and Database right 2024. Esri UK, Esri, HERE, Garmin, FAO, METI/NASA, USGS NRW, NE, RSPB
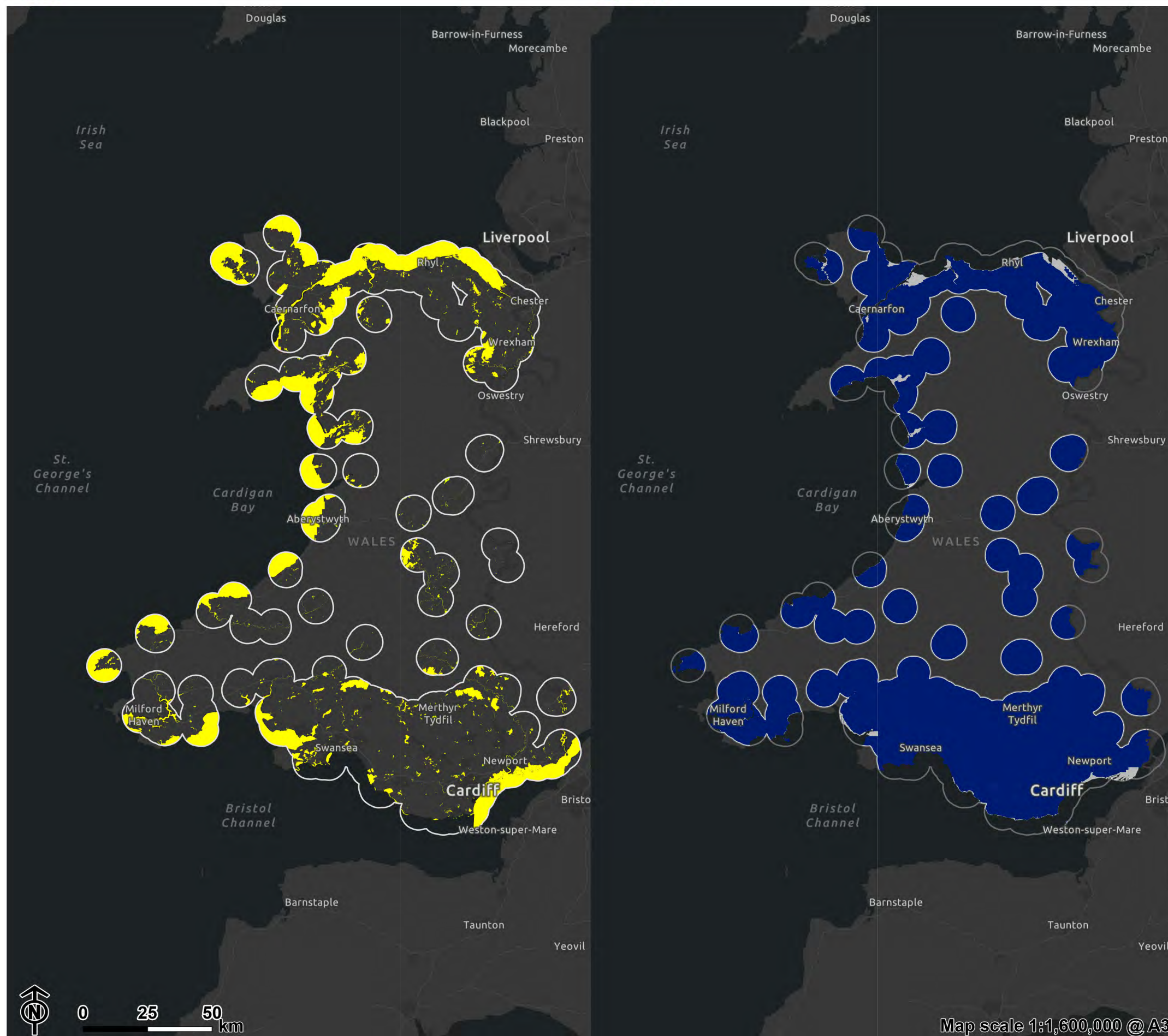
Data

Result

Figure 22: T1-09 Seeing natural designations - urban data and map of results

Data

☐ Urban areas 6km buffer

🟨 SAC, SPA, Ramsar, SSSI, LNR, NNR and RSPB sites

Result

☐ 0 - lowest tranquillity

🟦 10 - highest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024   19/12/2024

Indicator T1-10 - Seeing conservation areas

Datasets

Rural – Conservation areas

Urban – Conservation areas

Method

Rural – Generate grid of points at 100m intervals and intersect with selected features. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	9	6	3	2	1

Urban – Generate grid of points at 50m intervals and intersect with selected features. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	9	6	3	2	1

Stakeholders considered that close proximity was essential for this criteria; hence the diminishing scores.

Result

The results of this analysis are shown in Figure 23 and Figure 24 below. More visibility increases tranquillity therefore higher scores are more tranquil and lower scores are less tranquil.
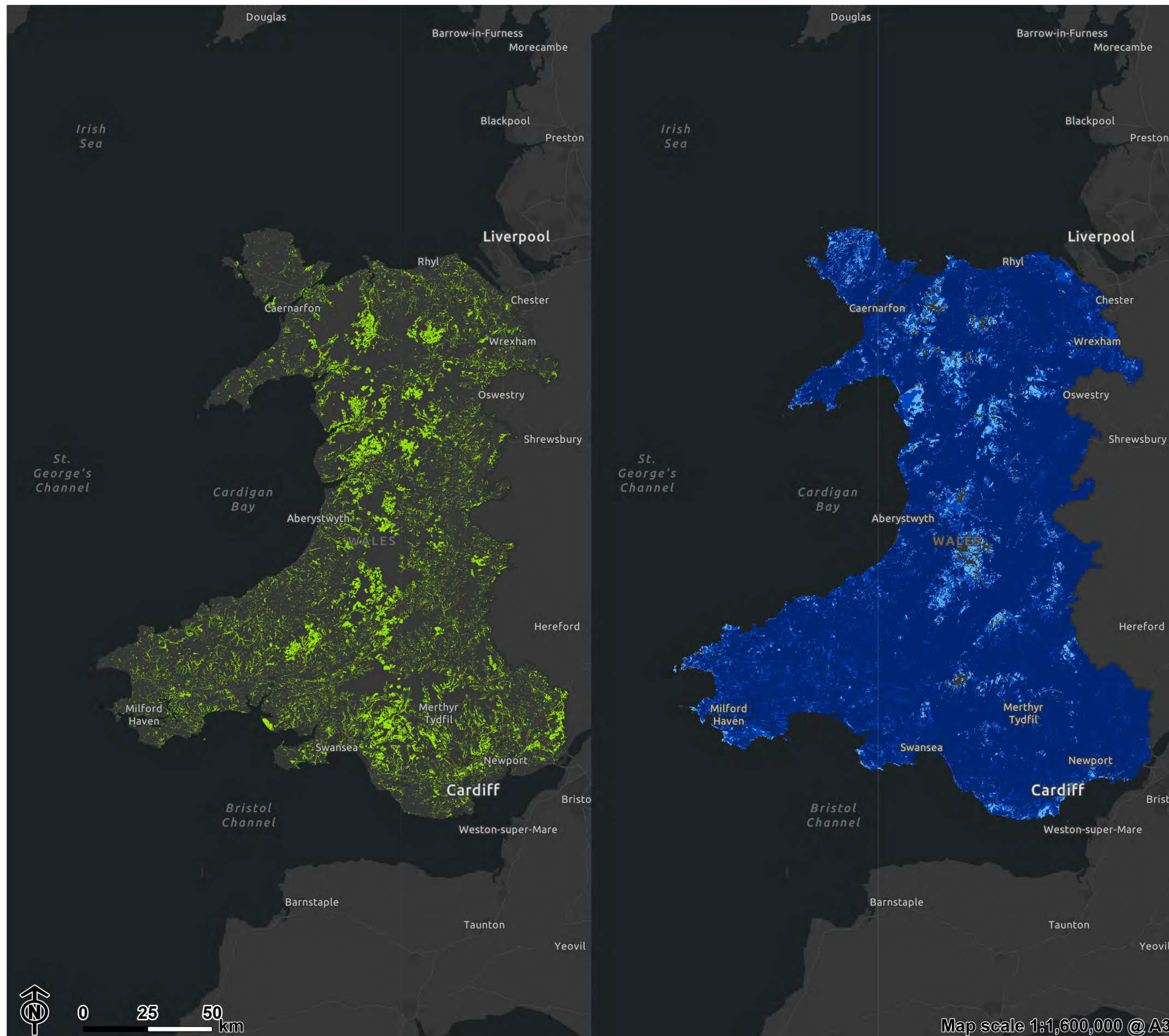
Data

Result

Figure 23: T1-10 Conservation areas - rural data and map of results

Data

■ Conservation area

Result

☐ 0 - lowest tranquillity

■ 1

■ 2

■ 3

■ 6

■ 9 - highest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales
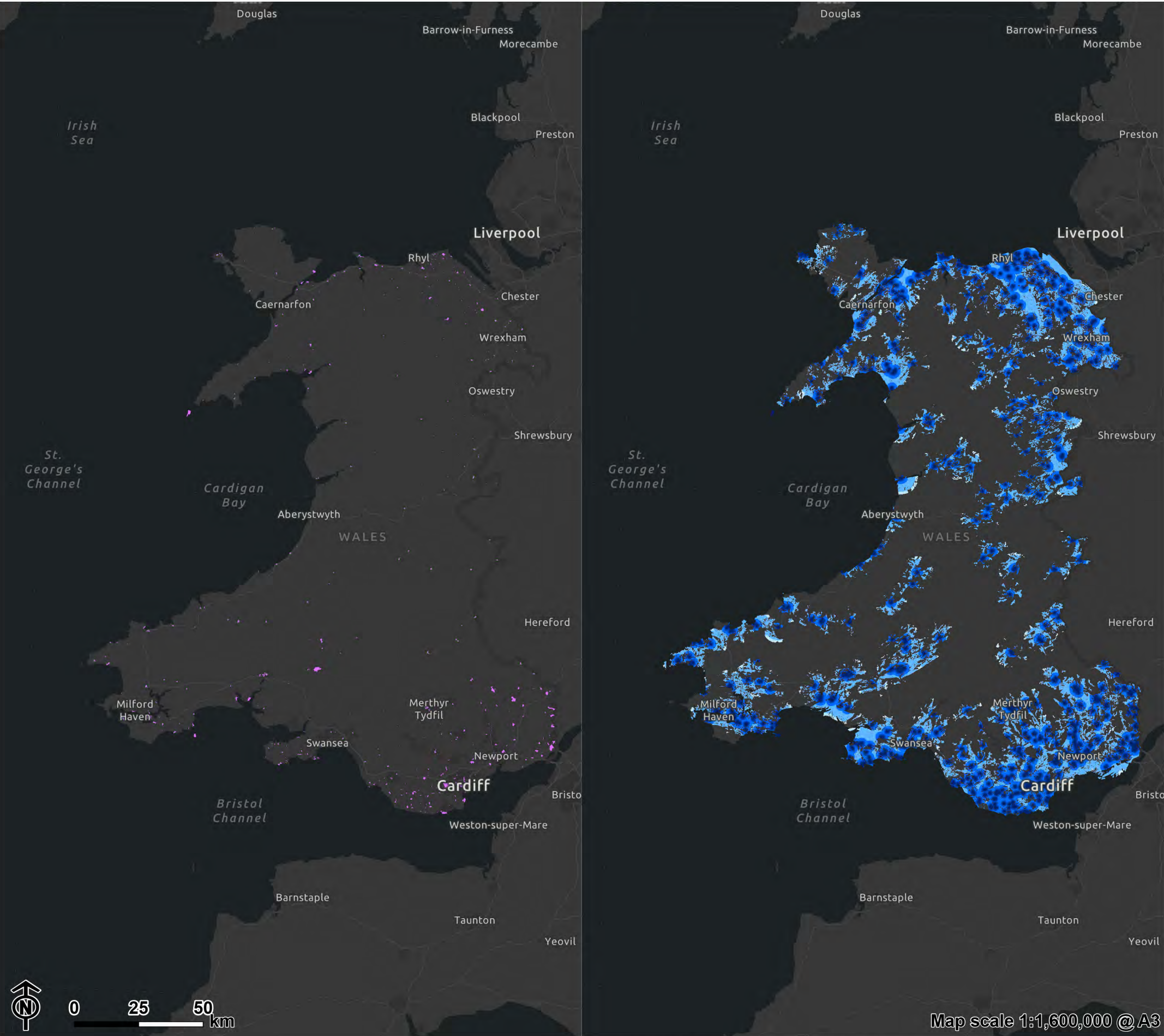
Data

Result

Figure 24: T1-10 Conservation areas - urban data and map of results

Data

Urban areas 6km buffer

Conservation area

Result

0 - lowest tranquillity

1

2

3

6

9 - highest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 19/12/2024
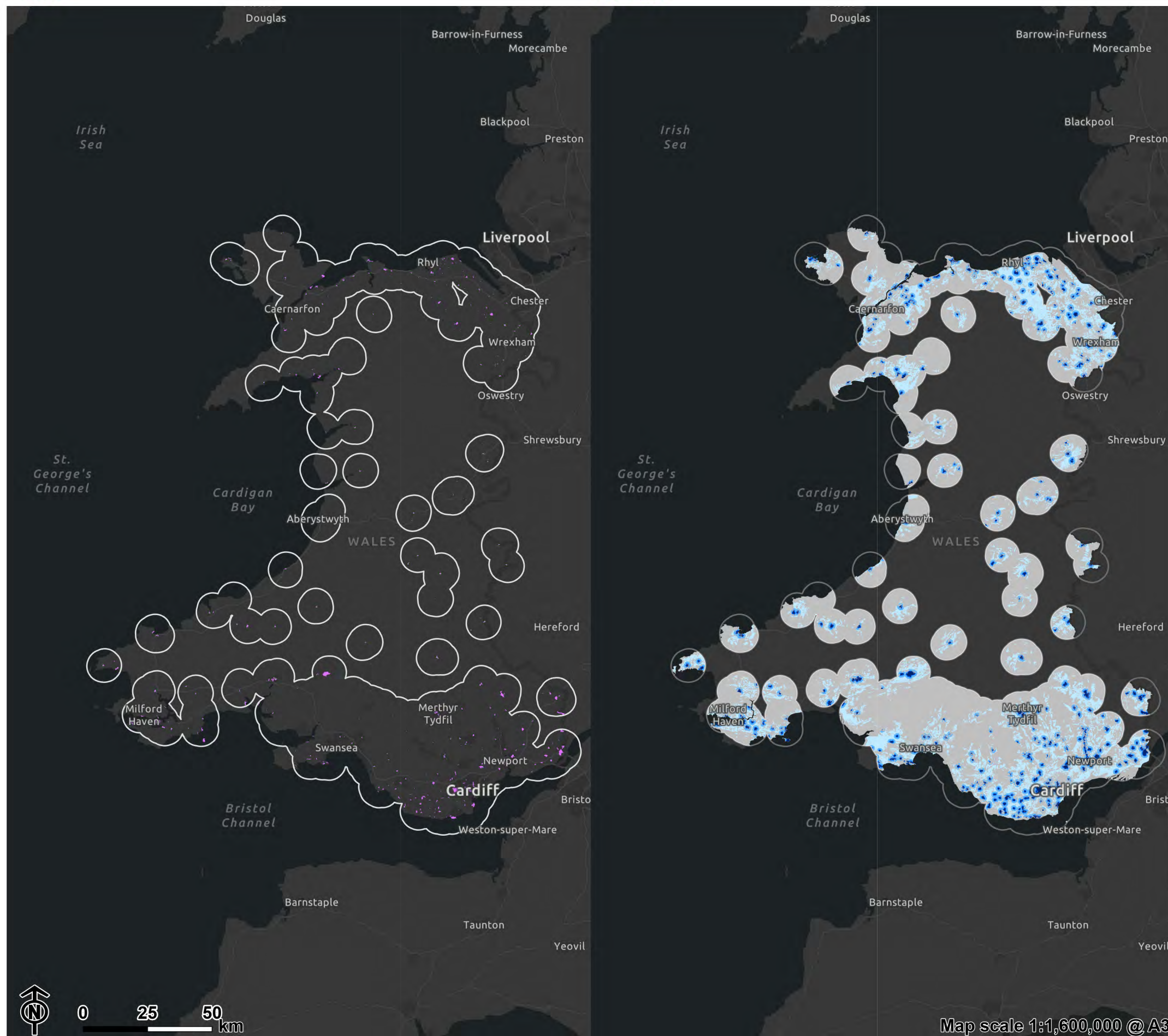
Combined theme 1 dataset

Once all the analysis had been run for both the rural and urban datasets, the indicators for each were combined to give an overall score for this theme. For this theme, a higher score means the pixel is more tranquil. The rural map is shown in Figure 24, and the urban map in Figure 25.

This resulting dataset was then normalised to have a maximum theoretical range of between 0 and 1, as set out in the methodology section.

Map scale 1:900,000 @ A3
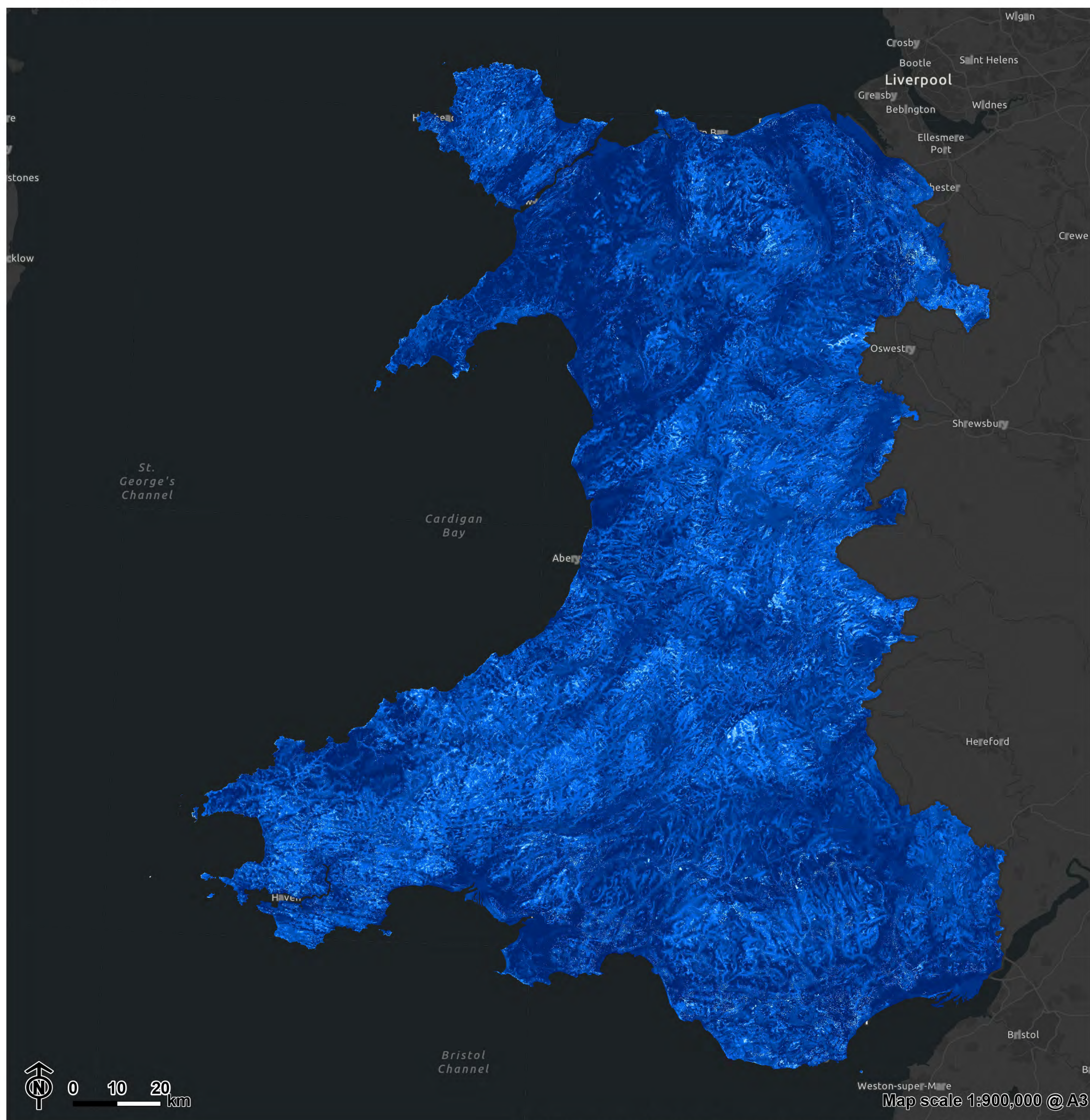
Figure 25: Combined map of Theme 1 combined indicators (rural)
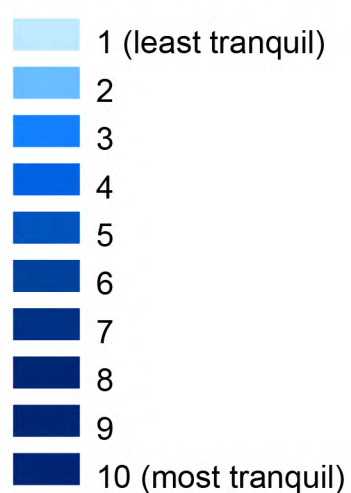
- 1 (least tranquil)
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (most tranquil)
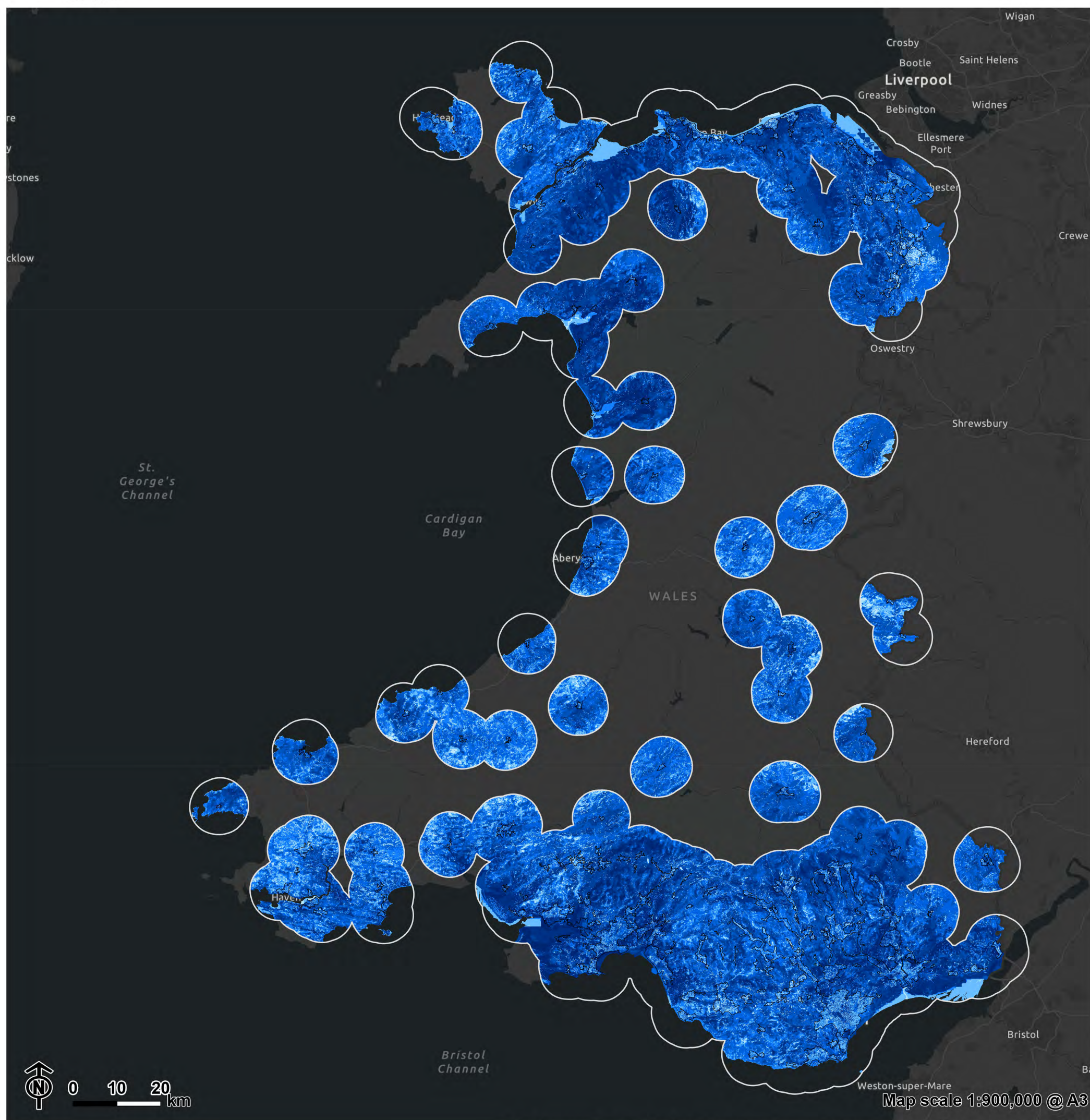
Figure 26: Combined map of Theme 1 combined indicators (urban)
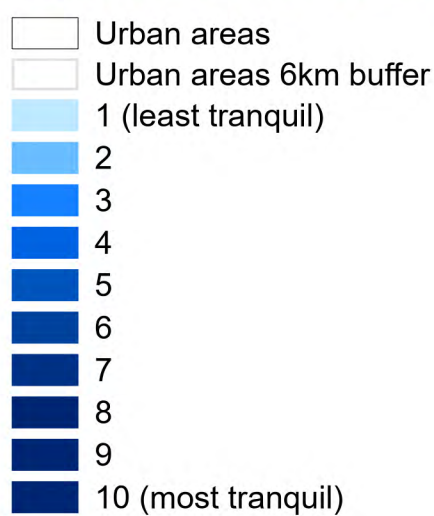
Urban areas
Urban areas 6km buffer
1 (least tranquil)
2
3
4
5
6
7
8
9
10 (most tranquil)

Theme 2 indicator details

This section gives the full details of the data used, the process followed and any assumptions made, for each indicator in theme 2.

It should be noted that for Theme 2 maps, absence of a score (e.g where only the basemap is visible) does not imply tranquillity. These maps are intended to illustrate the scored indicators contributing to Theme 2 only.

Indicator T2-01 - Seeing large settlements

Datasets

Rural – LANDMAP Visual and Sensory – filtered on question VS6 Settlement pattern and only used those described as 'Urban'.

Urban –LANDMAP Visual and Sensory – filtered on question VS6 Settlement pattern and only used those described as 'Urban'.

Method

Rural – Generate grid of points at 500m intervals and calculate visibility from them. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	9	8	7	7

Urban – Generate grid of points at 100m intervals and calculate visibility from them Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	9	8	7	7

Result

The results of this analysis are shown in Figure 27 and Figure 28 below. Visibility of more of the features measured by the indicator means that the tranquillity value decreases. In contrast to the Theme 1 maps, a high score is less tranquil.

Data

Result

Figure 27: T2-01 Seeing large settlements - rural data and map of results

Data

LANDMAP VS6: Urban

Result

0 - highest tranquillity

7

8

9

10 - lowest tranquillity

Map scale 1:1,600,000 @ A3
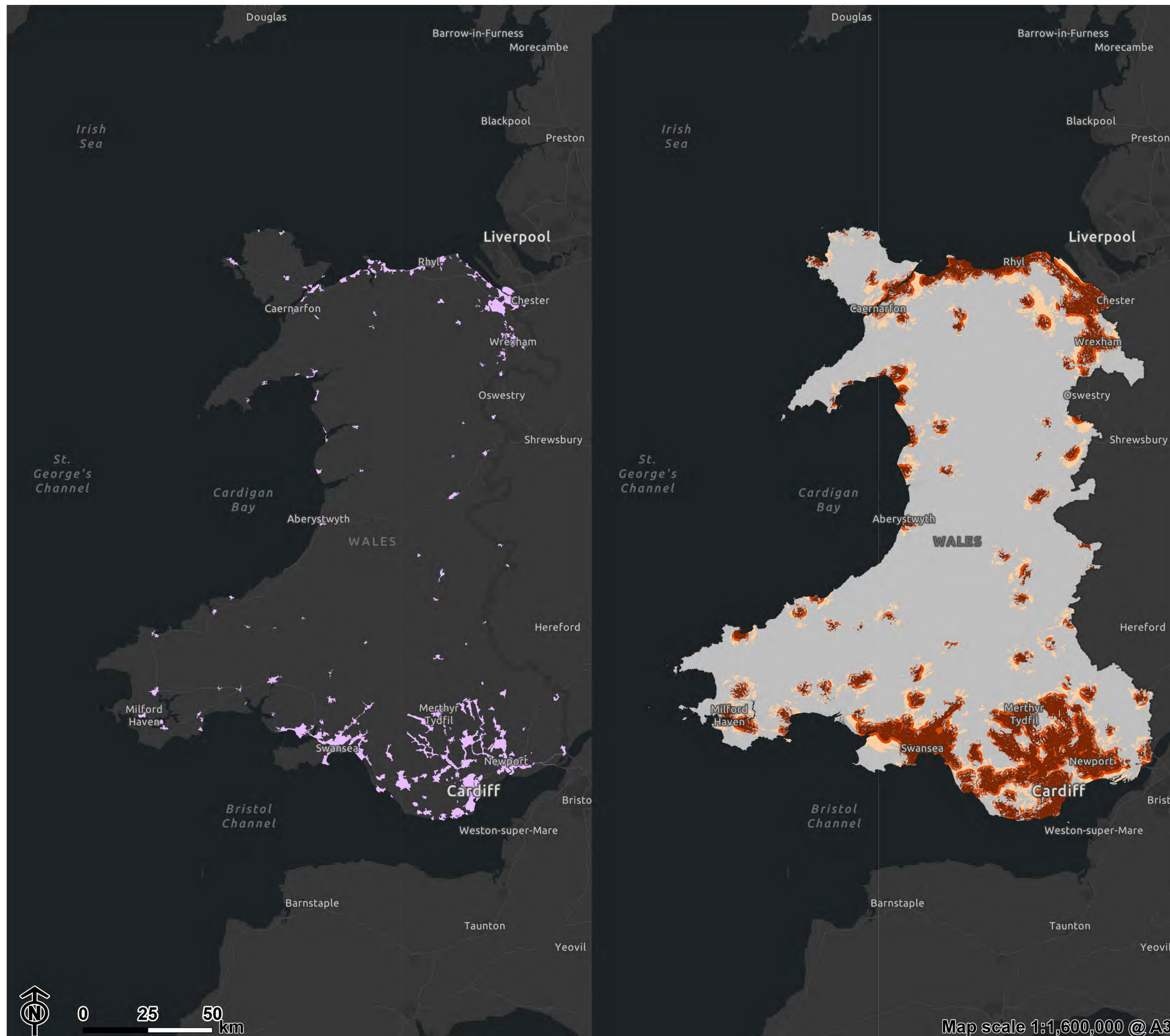
Data

Result

Figure 28: T2-01 Seeing large settlements - urban data and map of results
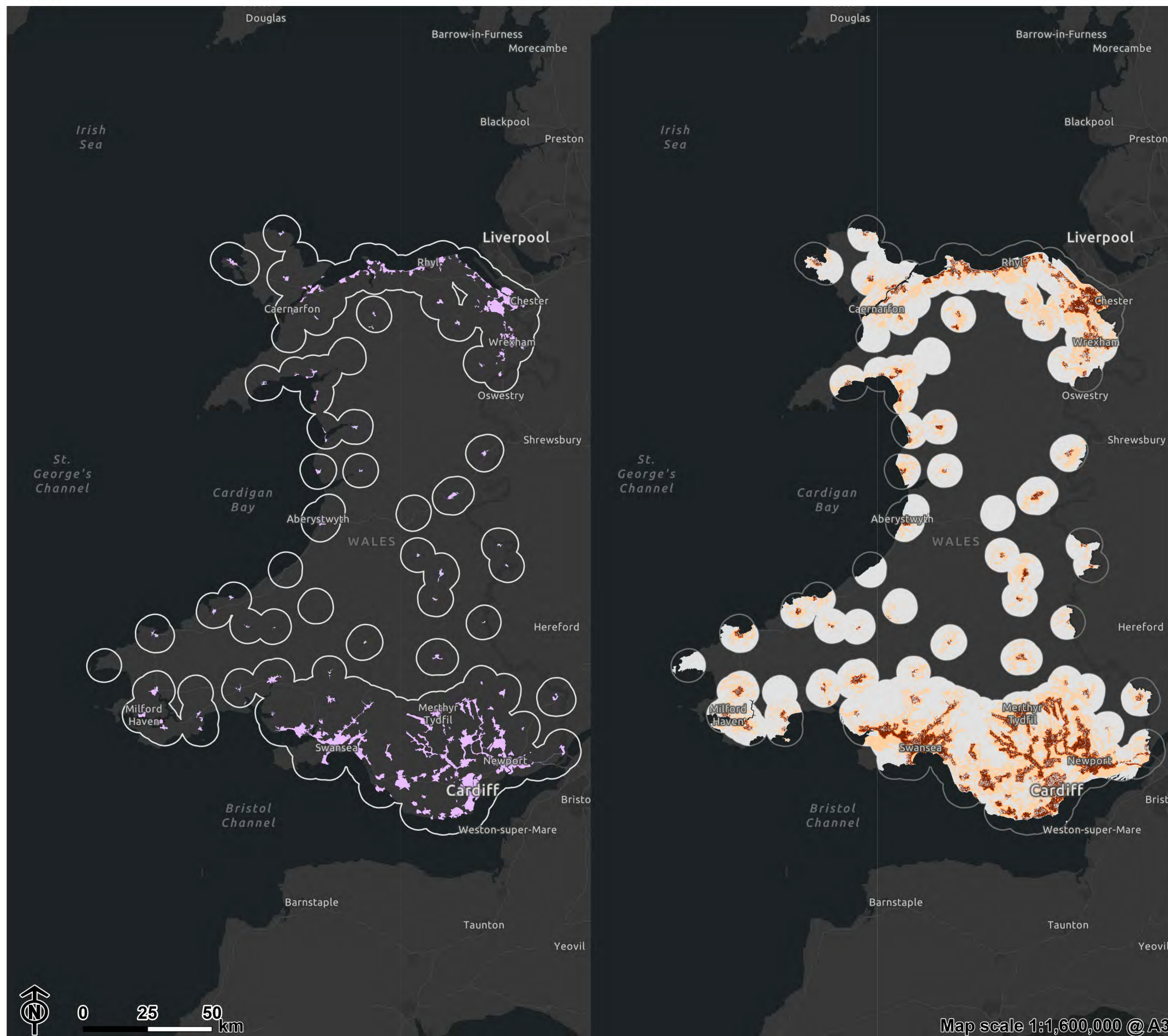
Data

☐ Urban areas 6km buffer

▨ LANDMAP VS6: Urban

Result

☐ 0 - highest tranquillity

☐ 7

☐ 8

☐ 9

■ 10 - lowest tranquillity

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 19/12/2024

Indicator T2-02 - Seeing villages and scattered houses

Datasets

Rural –LANDMAP Visual and Sensory – filtered on question VS6 Settlement pattern and only used those described as 'Clustered, Linear, Mixture, Scattered Rural/Farm, or Village'.

Urban –LANDMAP Visual and Sensory – filtered on question VS6 Settlement pattern and only used those described as 'Clustered, Linear, Mixture, Scattered Rural/Farm, or Village'

Method

Rural – Generate grid of points at 500m intervals and calculate visibility from them. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	7	7	4	4	0

Urban – Generate grid of points at 100m intervals and calculate visibility from them Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	7	7	4	4	0

Result

The results of this analysis are shown in Figure 29 and Figure 30 below. Visibility of more of the features measured by the indicator means that the tranquillity value decreases. In contrast to the Theme 1 maps, a high score is less tranquil.
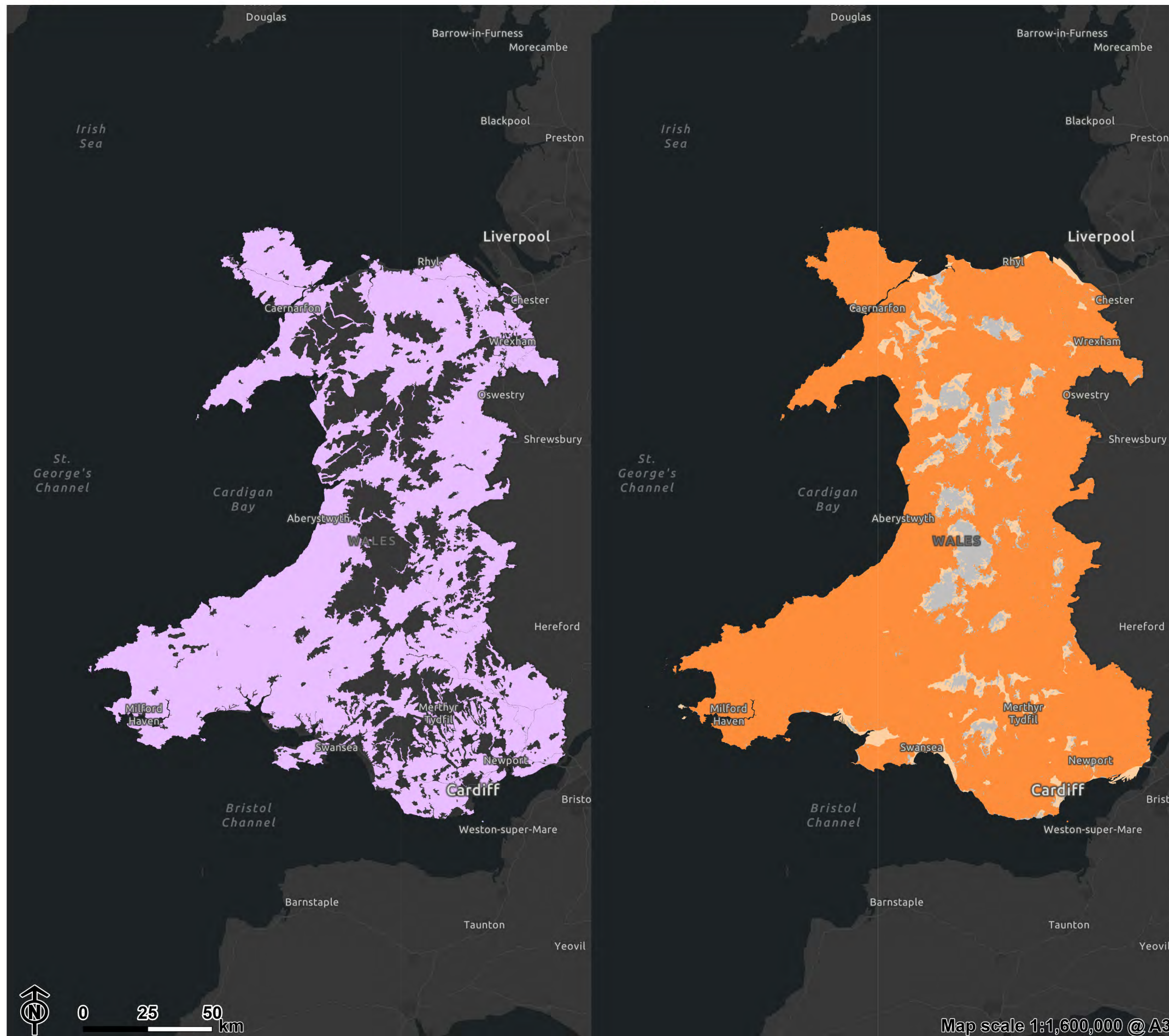
Data

Result

Figure 29: T2-02 Seeing villages and scattered houses - rural data and map of results

Data

LANDMAP VS6: Clustered, Linear, Mixture, Scattered Rural/Farm, or Village

Result

0 - highest tranquillity

4

7 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales

Contains Natural Resources Wales information ©
Natural Resources Wales and database right.
Contains derived Ordnance Survey Data. Ordnance
Survey license number 100019741. Crown Copyright
and Database right 2024. Esri UK, Esri, HERE,
Garmin, FAO, METI/NASA, USGS

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 18/12/2024
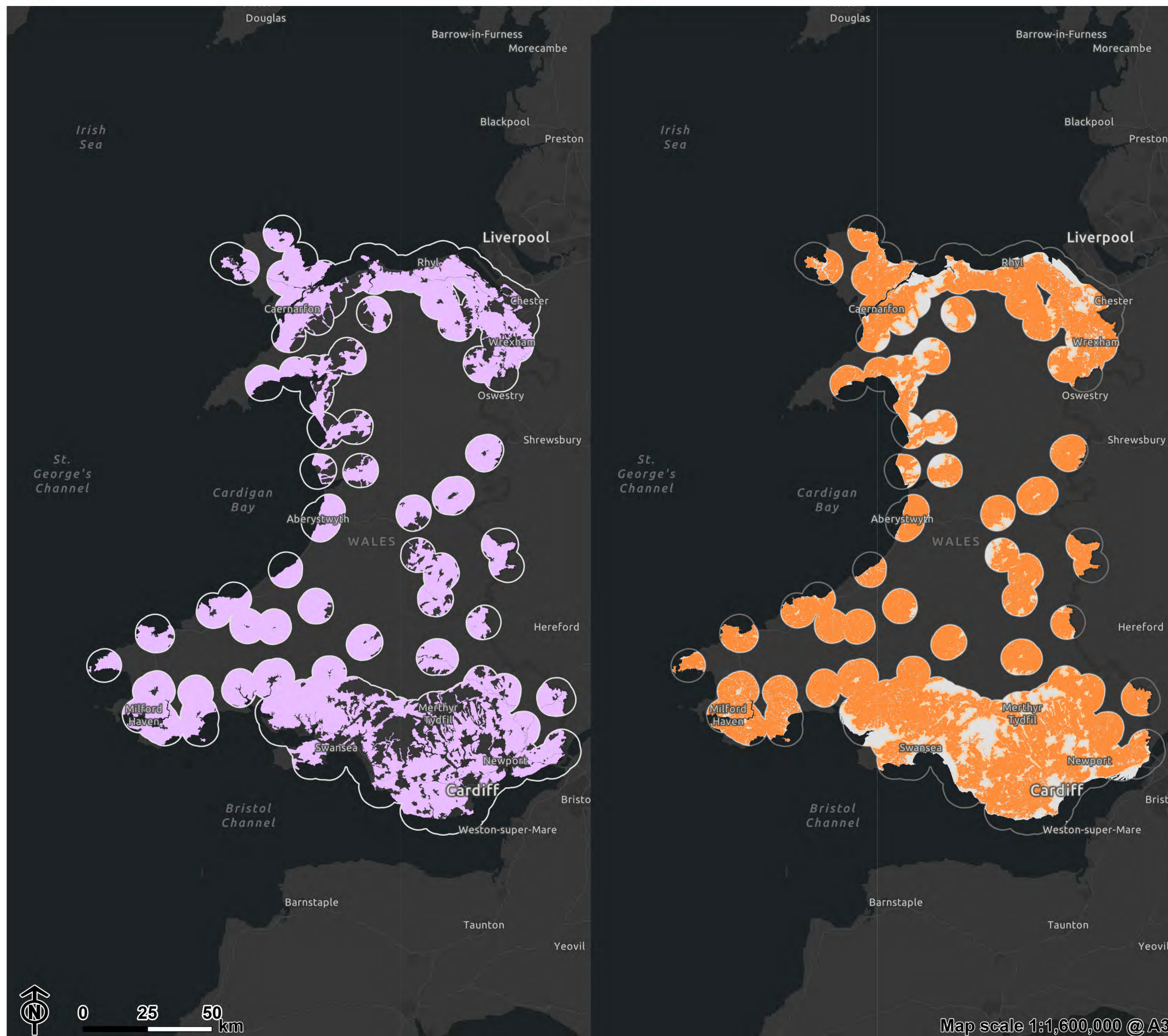
Data

Result

Figure 30: T2-02 Seeing villages and scattered houses - urban data and map of results

Data

☐ Urban areas 6km buffer

▨ LANDMAP VS6: Clustered, Linear, Mixture, Scattered Rural/Farm, or Village

Result

☐ 0 - highest tranquillity

☐ 4

▨ 7 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Indicator T2-03 - Seeing roads

Datasets

Rural – OS Open Roads

Urban – OS Open Roads used as the OS MasterMap roads were too detailed on the resampled 10m surface.

Method

Rural – Split the data into two categories; single carriageway A-roads, and motorways & dual carriageway A-roads. Generate points every 100m along roads. Calculate visibility from each pixel of the analysis.

Motorways & dual carriageway A-roads

Distance	500m	1km	2km	5km	>5km
Score	10	8	6	6	4

Single carriageway A-roads

Distance	500m	1km	2km	5km	>5km
Score	8	6	4	4	2

Urban – Generate points every 100m along roads. Calculate visibility from each pixel of the analysis.

Motorways & dual carriageway A-roads

Distance	100m	200m	400m	1km	>1km
Score	10	8	6	6	4

Single carriageway A-roads

Distance	100m	200m	400m	1km	>1km
Score	8	6	4	4	2

Result

The results of this analysis are shown in Figure 31 and Figure 32 below. Visibility of more of the features measured by the indicator means that the tranquillity value decreases. In contrast to the Theme 1 maps, a high score is less tranquil.

Figure 31: T2-03 Seeing roads - rural data and map of results

Data

Data

— Motorways and A roads

Result

Result

0 - highest tranquillity

2

4

6

8

10 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Data

Result

Figure 32: T2-03 Seeing roads - urban data and map of results

Data

Urban areas 6km buffer

Motorways and A roads

Result

0 - highest tranquillity

2

4

6

8

10 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Contains Natural Resources Wales information © Natural Resources Wales and database right. Contains derived Ordnance Survey Data. Ordnance Survey license number 100019741. Crown Copyright and Database right 2024. Esri UK, Esri, HERE, Garmin, FAO, METI/NASA, USGS

Indicator T2-04 - Seeing railways

Datasets

Rural – OS OpenMap Local

Urban – OS Mastermap

Method

Rural – Generate points every 100m along the tracks. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	10	6	4	4	2

Urban – Generate points every 100m along the tracks. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	10	6	4	4	2

Result

The results of this analysis are shown in Figure 33 and Figure 34 below. Visibility of more of the features measured by the indicator means that the tranquillity value decreases. In contrast to the Theme 1 maps, a high score is less tranquil.

Data

Result

Figure 33: T2-04 Seeing railway - rural data and map of results

Data
— Railway

Result

	0 - highest tranquillity
	2
	4
	6
	10 - lowest tranquillity

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 18/12/2024
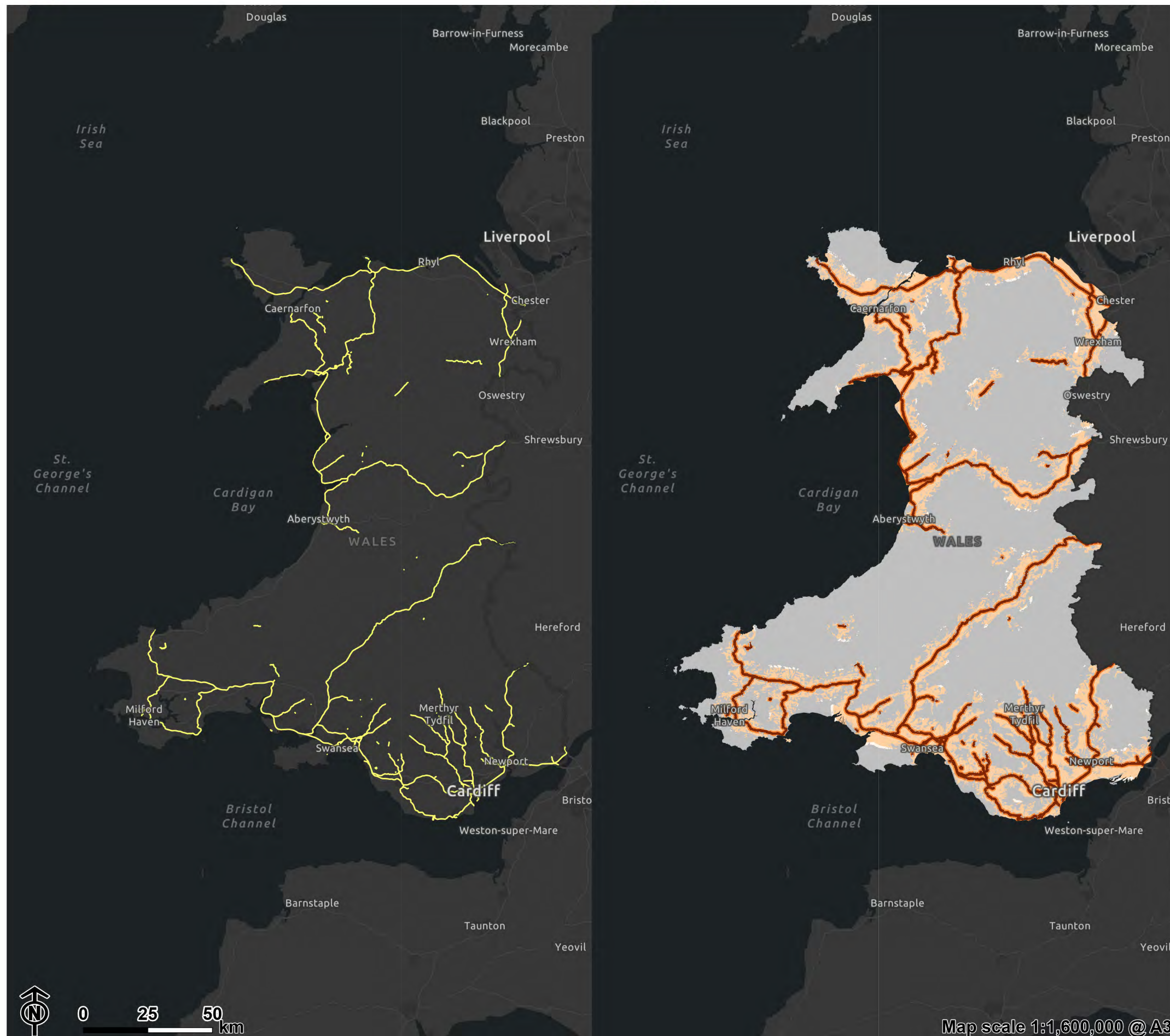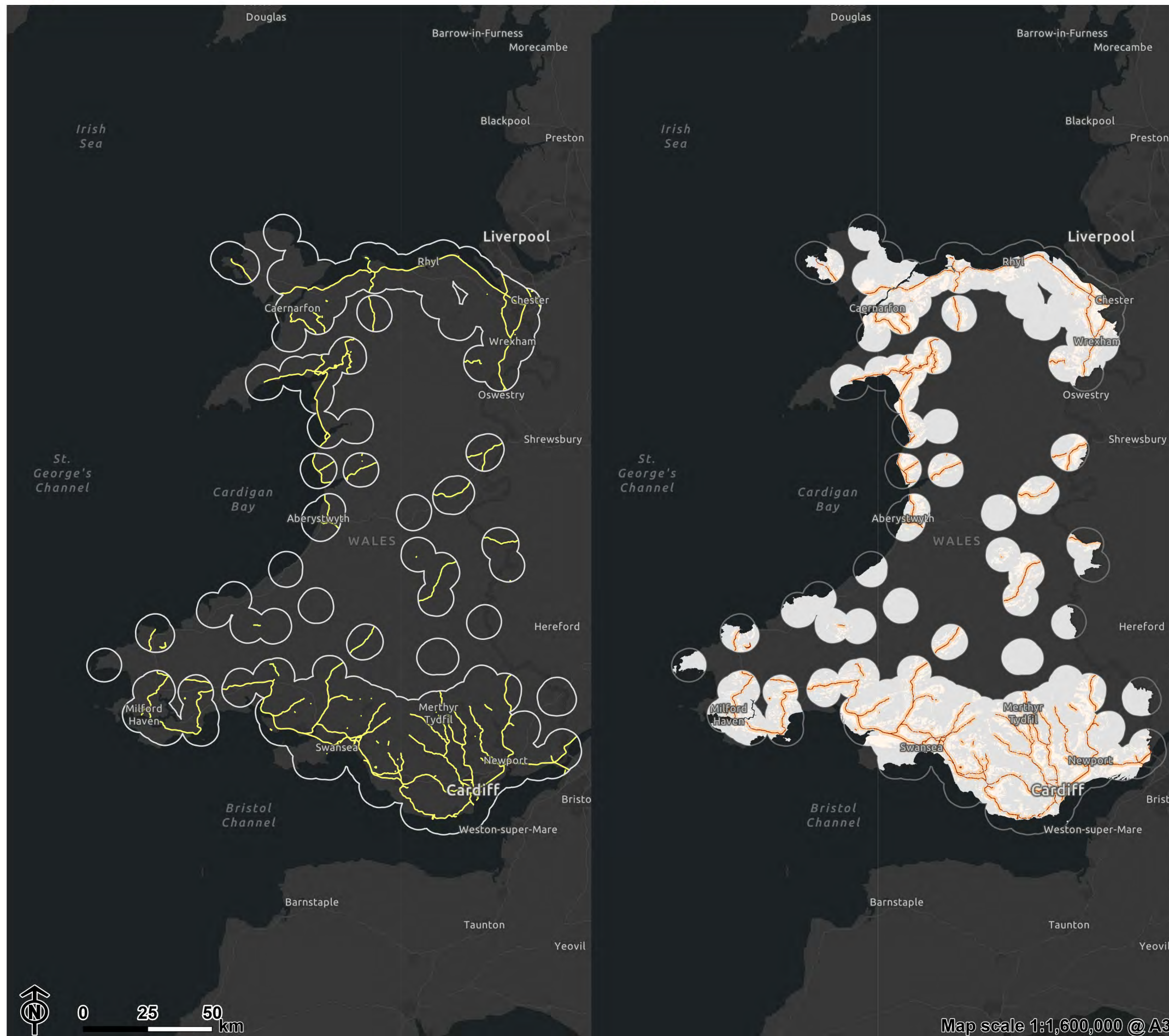
Data

Result

Figure 34: T2-04 Seeing railway - urban data and map of results

Data

☐ Urban areas 6km buffer

── Railway

Result

0 - highest tranquillity

2

4

6

10 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Indicator T2-05 - Seeing active above surface quarries/mines

Datasets

Rural – Active quarry/mine data (BGS).

Urban – Active quarry/mine data (BGS).

Method

Rural – Generate grid of points at 100m intervals and intersect with 300m buffer around selected features. This buffer was because one point for the site wasn't necessarily covering the most visible part of the site. After looking at a sample of sites, 300m was the average size that covered most of the sites without going too much over those that are smaller. Calculate visibility from each pixel of the analysis.

Distance	500m	1km	2km	5km	>5km
Score	9	6	3	2	1

Urban – Generate grid of points at 100m intervals and intersect with 300m buffer around selected features. Calculate visibility from each pixel of the analysis.

Distance	100m	200m	400m	1km	>1km
Score	9	6	3	2	1

Result

The results of this analysis are shown in Figure 35 and Figure 36 below. Visibility of more of the features measured by the indicator means that the tranquillity value decreases. In contrast to the Theme 1 maps, a high score is less tranquil.
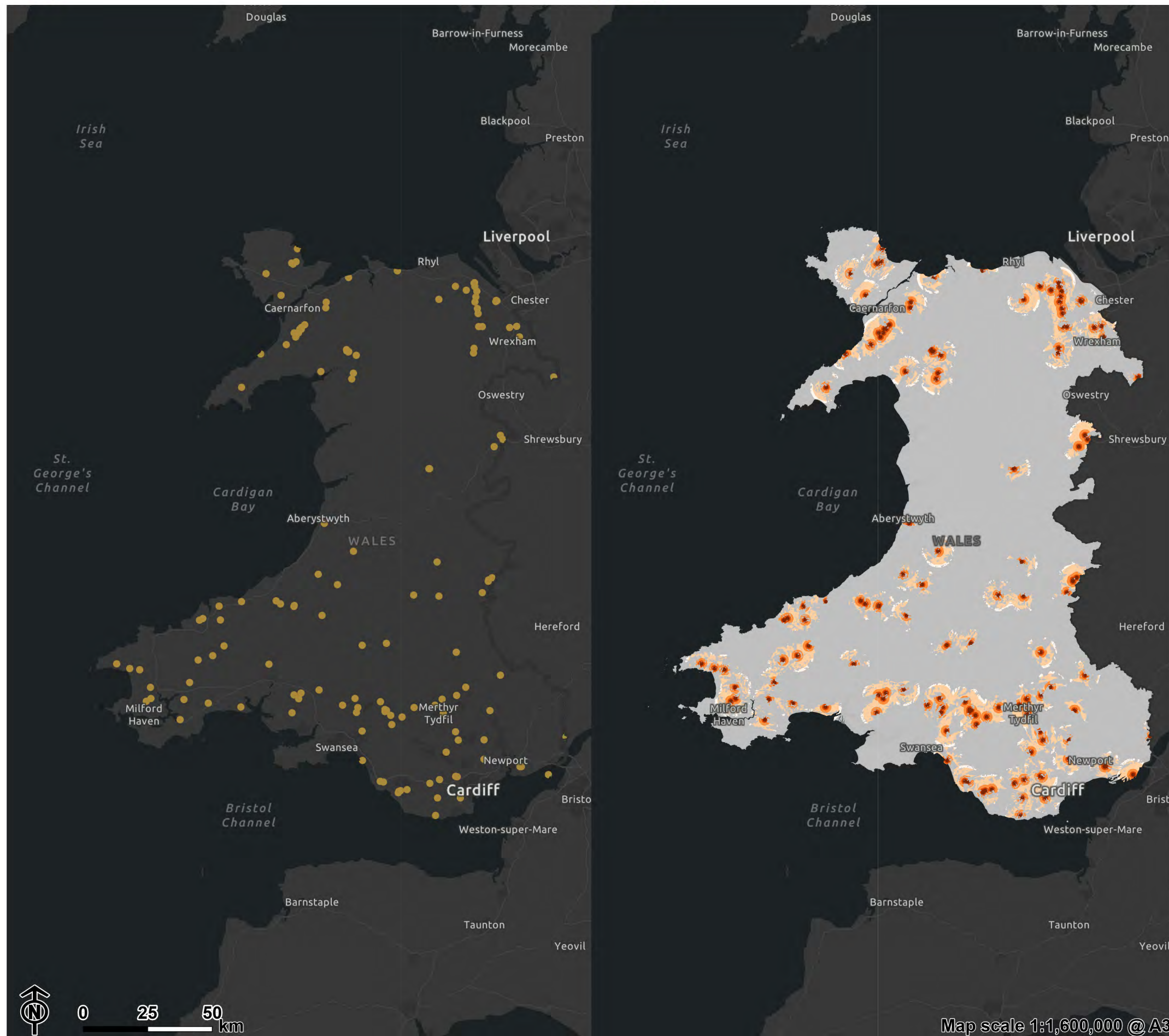
Data

Result

Figure 35: T2-05 Seeing active above surface quarries/mines - rural data and map of results

Data

- Active quarry site

Result

- 0 - highest tranquillity
- 1
- 2
- 3
- 6
- 9 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Contains Natural Resources Wales information © Natural Resources Wales and database right. Contains derived Ordnance Survey Data. Ordnance Survey license number 100019741. Crown Copyright and Database right 2024. Esri UK, Esri, HERE, Garmin, FAO, METI/NASA, USGS BGS
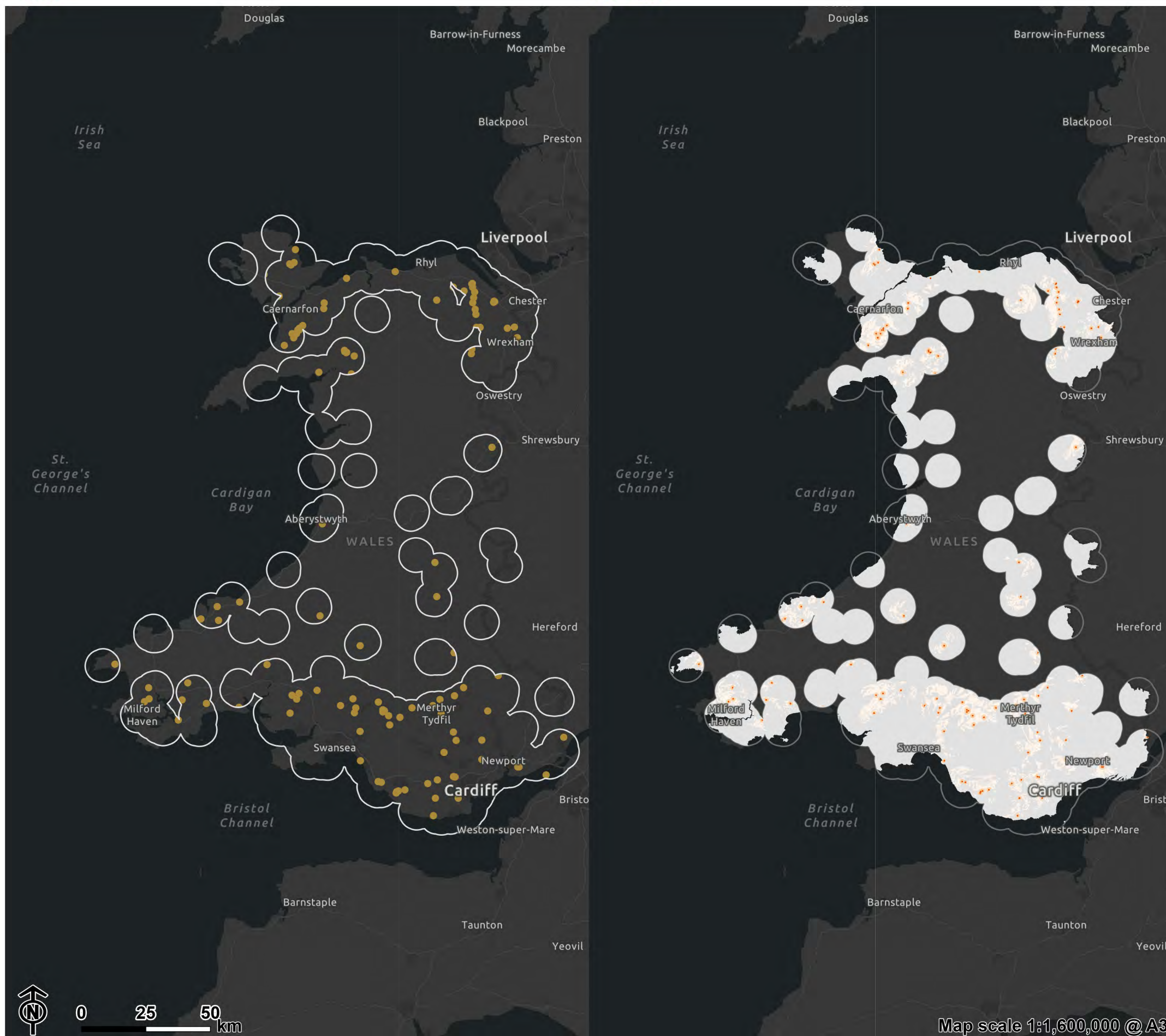
Data

Result

Figure 36: T2-05 Seeing active above surface quarries/mines - urban data and map of results

Data

Urban areas 6km buffer

● Active quarry site

Result

0 - highest tranquillity
1
2
3
6
9 - lowest tranquillity

Map scale 1:1,600,000 @ A3

Cyfoeth Naturiol Cymru
Natural Resources Wales

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 19/12/2024

Indicator T2-06 - Seeing large non-natural infrastructure

Datasets

Rural – OS Open Map Local/BEIS Renewables Energy Planning Database

Urban – OS Open Map Local/BEIS Renewables Energy Planning Database

Method

The climate emergency and decarbonisation programme in Wales targets of 70% electricity from renewables by 2030 and net zero by 2050 will lead to increased renewable energy development. Future Wales (2021), the strategic spatial plan for national planning priorities including Pre-Assessed Areas for wind energy, and Planning Policy Wales (2021) set out the renewable energy policies. Future updates to the Tranquillity & Place resource should include this context.

Rural – Extract features that are likely to be large, non-natural infrastructure. Assigning them assumed heights and calculate visibility from each pixel of the analysis. The heights used for different features are as follows:

- Industrial buildings / warehouses: 15m
- Advanced conversion technologies: 10m
- Anaerobic / sewage digestion: 10m
- Battery / Biomass / Hydro: 3m
- EfW Incineration: 40m
- Landfill gas: 20m
- Pumped storage hydroelectricity: 3m
- Solar photovoltaics: 2.5m
- 400Kv pylons: 50m
- Wind offshore: 134m
- Wind onshore: individual turbine heights used where available, the following 3 classes (80, 100 and 120m) for the remaining turbines.
    - Turbine capacity <1MW = 80m height
    - Turbine capacity 1-2MW = 100m height
    - Turbine capacity >2MW = 120m height

Distance	500m	1km	2km	5km	>5km
Score	9	6	3	2	1

Urban – Generate grid of points at 100m intervals and intersect with 300m buffer around selected features. Calculate visibility from each pixel of the analysis. The heights used for different features are as per the rural analysis above.

Distance	100m	200m	400m	1km	>1km

Score	9	6	3	2	1

Result

The results of this analysis are shown in Figure 37 and Figure 38 below. Visibility of more of the features measured by the indicator means that the tranquillity value decreases. In contrast to the Theme 1 maps, a high score is less tranquil.

Data

Result

**Figure 37: T2-06 Seeing large non-natural infrastructure - rural data and map of results**

Data

Industrial buildings and warehouses, infrastructure associated with renewable energy, pylons.

Result

- 0 - highest tranquillity
- 1
- 2
- 3
- 6
- 9 - lowest tranquillity

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 18/12/2024
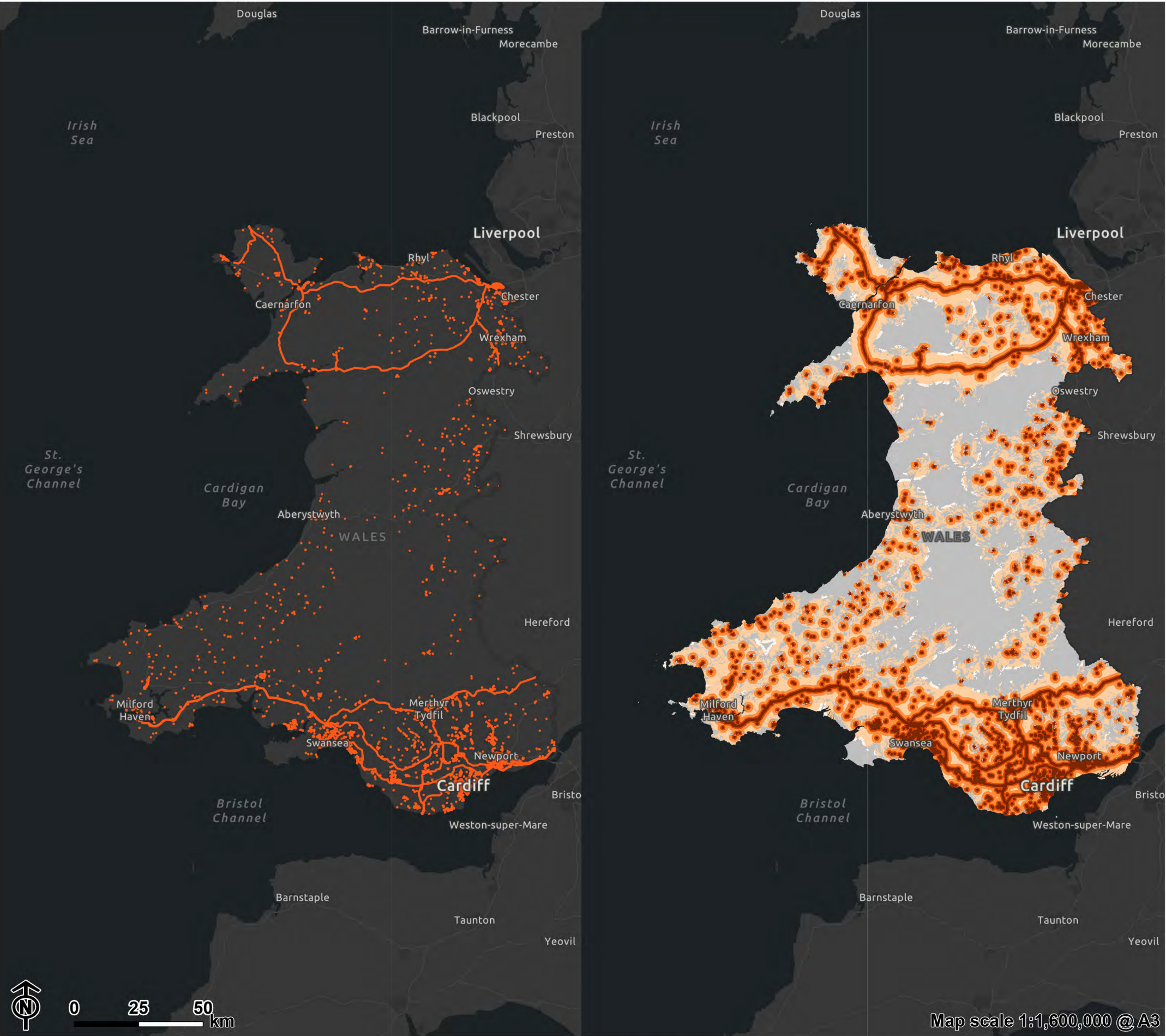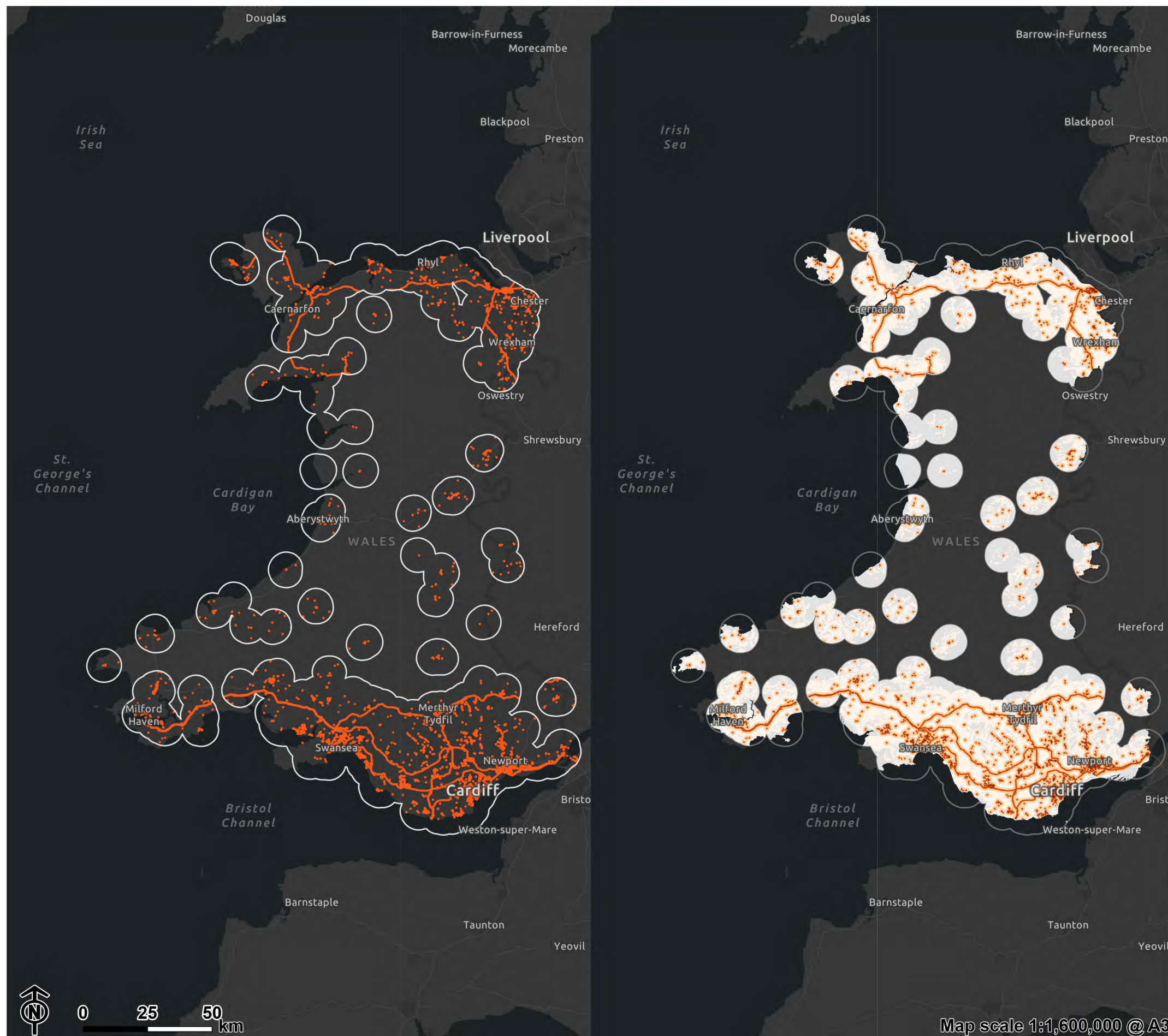
Data

Result

Figure 38: T2-06 Seeing large non-natural infrastructure - urban data and map of results

Data

Urban areas 6km buffer

Industrial buildings and warehouses, infrastructure associated with renewable energy, pylons

Result

- 0 - highest tranquillity
- 1
- 2
- 3
- 6
- 9 - lowest tranquillity

Map scale 1:1,600,000 @ A3

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 19/12/2024

Combined theme 2 dataset

Once all the analysis had been run for both the rural and urban datasets, the indicators for each were combined to give an overall score for this theme. For this theme, a higher score means the pixel is less tranquil. The rural map is shown in Figure 38, and the urban map in Figure 39.

This resulting dataset was then normalised to have a maximum theoretical range of between 0 and 1, as set out in the methodology section. These normalised values then needed to be inverted to be consistent with theme 1, with higher values being more tranquil.
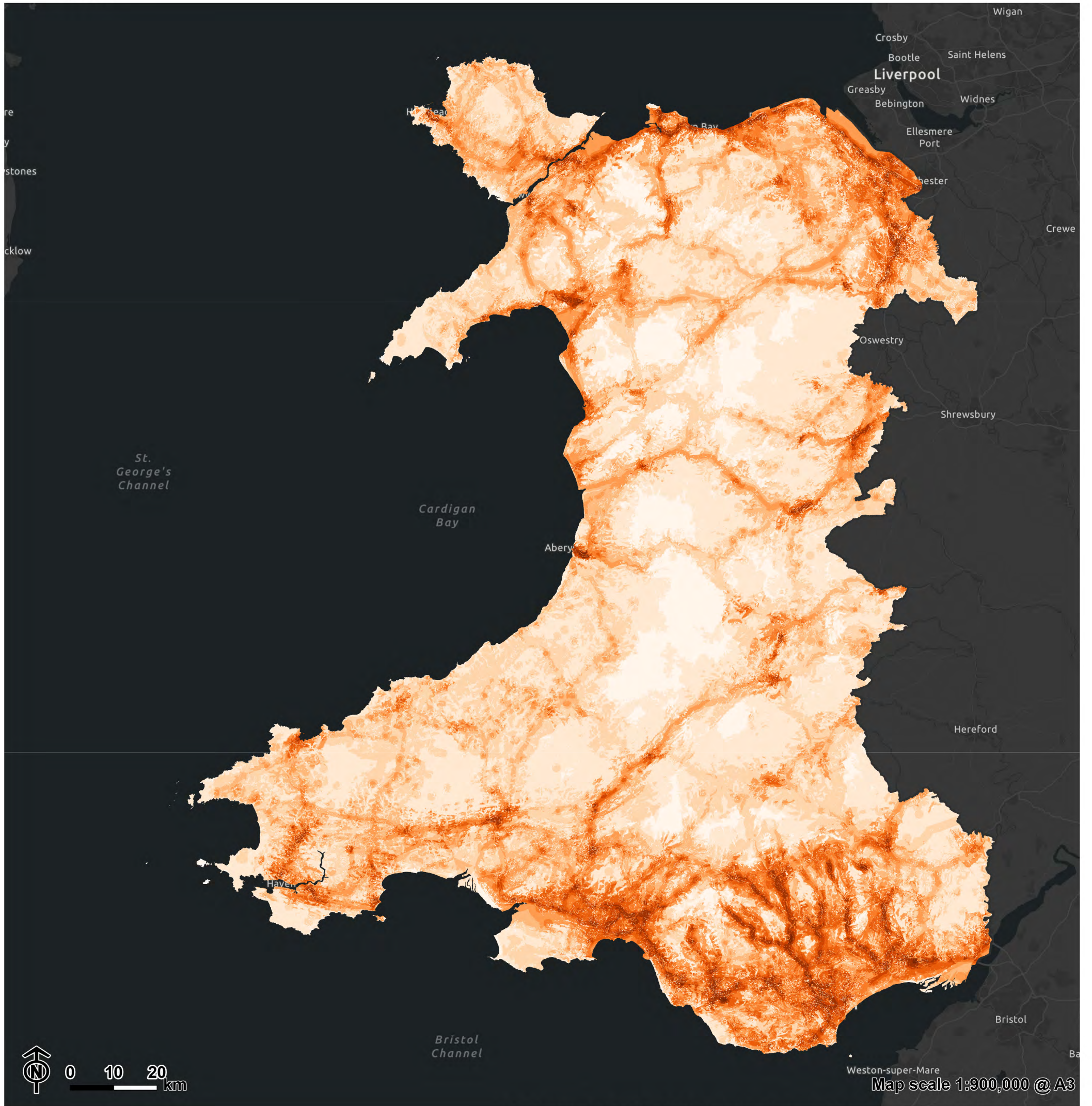
Figure 39: Combined map of Theme 2 combined indicators (rural)
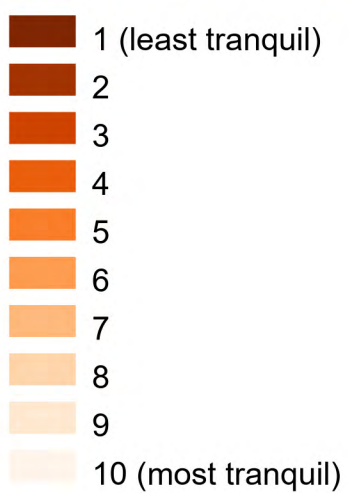
1 (least tranquil)
2
3
4
5
6
7
8
9
10 (most tranquil)

Figure 40: Combined map of Theme 2 combined indicators (urban)
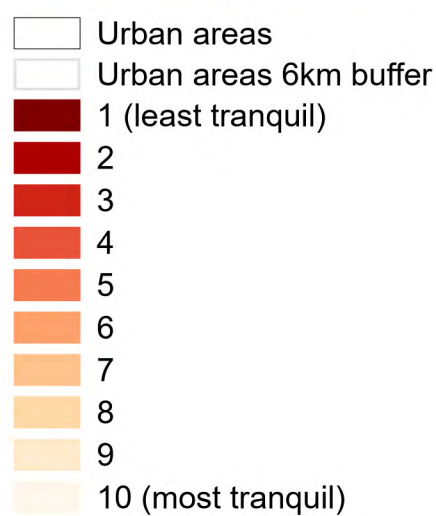
☐ Urban areas
☐ Urban areas 6km buffer
■ 1 (least tranquil)
■ 2
■ 3
■ 4
■ 5
■ 6
■ 7
■ 8
■ 9
□ 10 (most tranquil)

EB:Manson D LUC 11714_Results_Report_Maps_Urban_r2_2024 18/12/2024

Theme 3 – Relative dark skies

The data for this theme was created by LUC in 2021 as part of a previous phase of this study (Green, Manson and Chamberlain, 2021) [Tranquillity and Place – Dark Skies](#).

As such, the only processing that was required was to process it to be compatible with the data for themes 1 and 2.

As part of the 2021 study, the dataset was categorised into 8 bands, with the top one representing values of 32 or more nw/cm2/sr, but the actual values in the data went up to a maximum of 372. Because of this, all values above 32 were reduced to 32, so that the range of possible values was 0 – 32.

From a tranquillity perspective, a value of 0 would be no light emission at all (and so highly tranquil), and a value 32 would be so polluted by light that the pixel does not contribute to tranquillity.

As with the theme 1 and 2 data, these values were then normalised to between 0 and 1. Similarly to theme 2 these normalised values then needed to be inverted to be consistent with the others, with higher values then being more tranquil.

The original resolution of this data was 400m pixels. For the rural analysis, this was resampled to 50m and for the urban analysis, 10m to facilitate the combination of the themes.

The resulting theme 3 map can be seen in Figure 41 below.

.

Figure 41: Normalised Theme 3 (rural and urban)

1 (brightest)
2
3
4
5
6
7
8
9
10 (darkest)
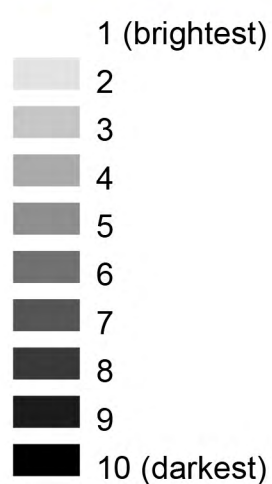
Theme 5 – visually tranquil places

As set out in the methodology section, once the data for themes 1 and 2 had been processed, the resultant datasets were combined and theme 3 (relative dark skies) was added. Since the values these layers contain did not have the same range, the normalised datasets were combined. The normalised datasets have a range from 0 to 1. Those pixels with a value of 0 have the lowest tranquiliity, and those with a value of 1, the highest.

However, the scoring worked differently between the three themes. This was because theme 1 was measuring the presence of factors that add to tranquillity, whereas the other two were looking at factors that detract from it:

For theme 1, visibility of more of the things measured by the indicators means the tranquillity value increases.

For theme 2, visibility of more of the things measured by the indicators means that the tranquillity value decreases.

For theme 3, visibility of more light pollution means that the tranquillity value decreases.

Because of this, for themes 2 and 3, the values were inverted as part of the normalisation process, so that for all three themes, higher values mean more tranquil pixels.

In effect, for theme 1, the data assumes that a value of 0 is the default, and that more visibility increase this value. Whereas for themes 2 and 3, a value of 1 is the default, and more visibility (of detracting factors) reduces this value.

Once these three themes had been normalised, their values were added together to produce the theme 5 map (visually tranquil places). The data on this map has a theoretical maximum range of 0 – 3, with 0 being the least tranquil areas, and 3 the most. This map is shown in Figure 42 for rural areas and Figure 43 for urban areas.

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 13/12/2024

Figure 42: Theme 5 – Map of visually tranquil areas (rural)
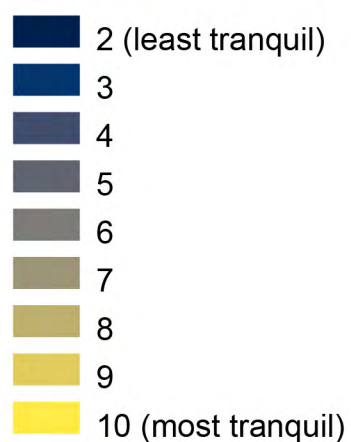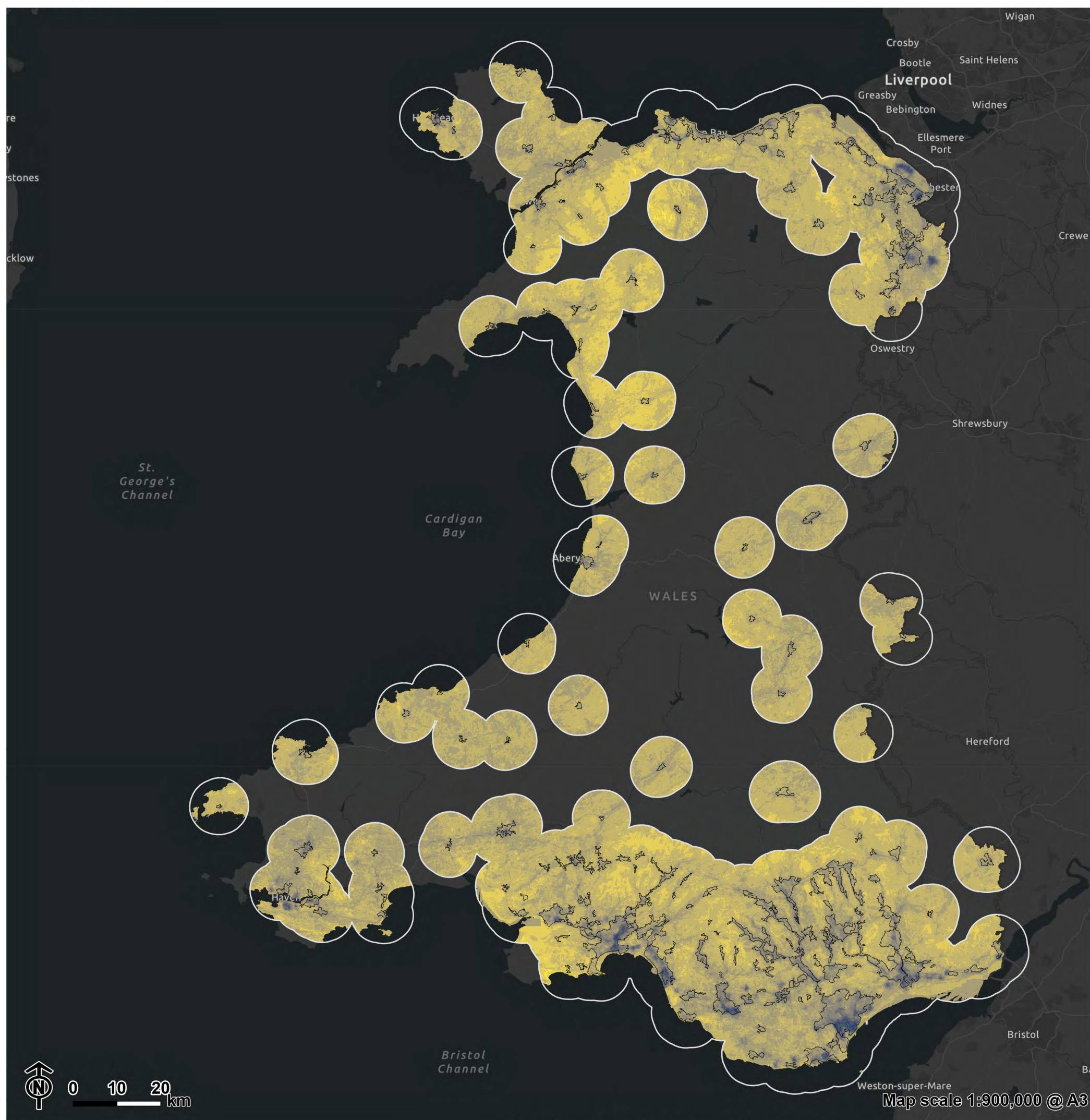
- 2 (least tranquil)
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (most tranquil)

Figure 43: Theme 5 – Map of visually tranquil areas (urban)

Urban areas
Urban areas 6km buffer
1 (least tranquil)
2
3
4
5
6
7
8
9
10 (most tranquil)

Headline figures and statistics

Using GIS (ESRI's Spatial Analyst extension), quantitative analysis has been undertaken to explore the data in more detail. This section presents the findings of the national and regional analysis. The analysis has been based on the rural tranquillity dataset.

The following geographic boundaries have been analysed:

- All Wales
- NRW operational areas
- Designated landscapes (National Parks and Areas of Outstanding Natural Beauty (AONB)
- National Landscape Character Areas
- Local authorities
- Future Wales areas
- LANDMAP Visual and Sensory aspect areas - due to the large number of aspect areas across Wales, the findings are not presented in this report. This data is presented visually on the interactive story map, which is discussed later in this report, and in the accompanying spreadsheet to this report.

National findings

For ease of analysis, understanding and presentation, the theme 5 map has been broken down into 10 equal categories, based on the theoretical minimum and maximum values of 0 – 3. 10 represents the most visually tranquil places and 1 the least visually tranquil places

Table 6 Value ranges used to categorise visual tranquillity map (theme 5)

Category	Values
1	0.0 – 0.3
2	0.3 – 0.6
3	0.6 – 0.9
4	0.9 – 1.2
5	1.2 – 1.5
6	1.5 – 1.8
7	1.8 – 2.1

Category	Values
8	2.1 – 2.4
9	2.4 – 2.7
10	2.7 – 3.0

Table 7 and Figure 44 show the breakdown of land coverage across Wales into these ten categories. These statistics are based on the land areas of Wales, as defined by Ordnance Survey.

81% of Wales is in the top 3 most visually tranquil categories.

Table 7 Percentage and area of Wales falling into each visual tranquillity category (rural)

Category	% of total area	Area (km^2)
1 (least visually tranquil)	0.00%	0
2	0.00%	0.9
3	0.07%	14.3
4	0.23%	49.5
5	0.84%	177.3
6	3.22%	683.9
7	14.76%	3,133.1
8	55.44%	11,768.6
9	25.08%	5,324.3
10 (most visually tranquil)	0.35%	73.8

Figure 44 Percentage of Wales falling into each visual tranquillity category
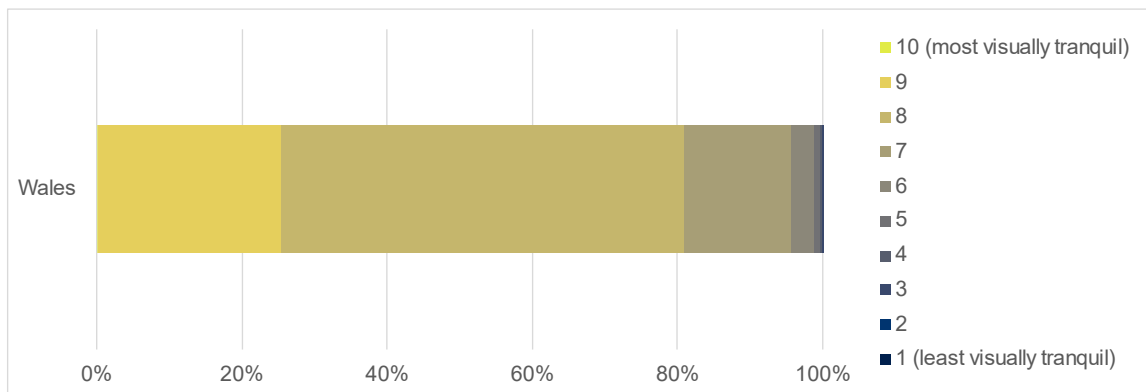
For the urban tranquillity dataset, the assessed areas are broken down as per Table 8. 10% of Wales' urban areas are in the top 3 visually tranquil.

Table 8 Percentage and area of urban area falling into each visual tranquillity category

Category	% of total for all urban areas	Urban Area with highest percentage in this category
1	0%	Bridgend (<1%)
2	0%	Bridgend (<1%)
3	1%	Broughton (11%)
4	4%	Broughton (16%)
5	11%	Abercanaid Troedyrhiw (41%)
6	32%	Aberfan_Merthyr Vale (71%)
7	42%	Marshfield (85%)
8	10%	Abertysswg (80%)
9	0%	Trimsaran (40%)
10	0%	Harlech (<1%)

Of the 214 urban areas assessed, the following five urban areas have the highest percentage within the top 3 visually tranquil categories:

- Trimsaran (89% within the top 3 visually tranquil areas)
- Abertysswg (81% within the top 3 visually tranquil areas)
- Llanmorlais_Crofty_Penclawdd (81% within the top 3 visually tranquil areas)
- Aberporth (81% within the top 3 visually tranquil areas)
- Fochriw (77% within the top 3 visually tranquil areas)

NRW operational areas

Figure 45 shows the breakdown between the categories by NRW operational areas. These areas are shown against the data in Figure 46. 92% of Mid Wales is within the top 3 visually tranquil categories, followed by North West Wales with 89%. South Wales Central has the lowest percentage of land area within these top 3 categories.

Figure 45 Percentage of each NRW operational area falling into each visual tranquillity category (rural)
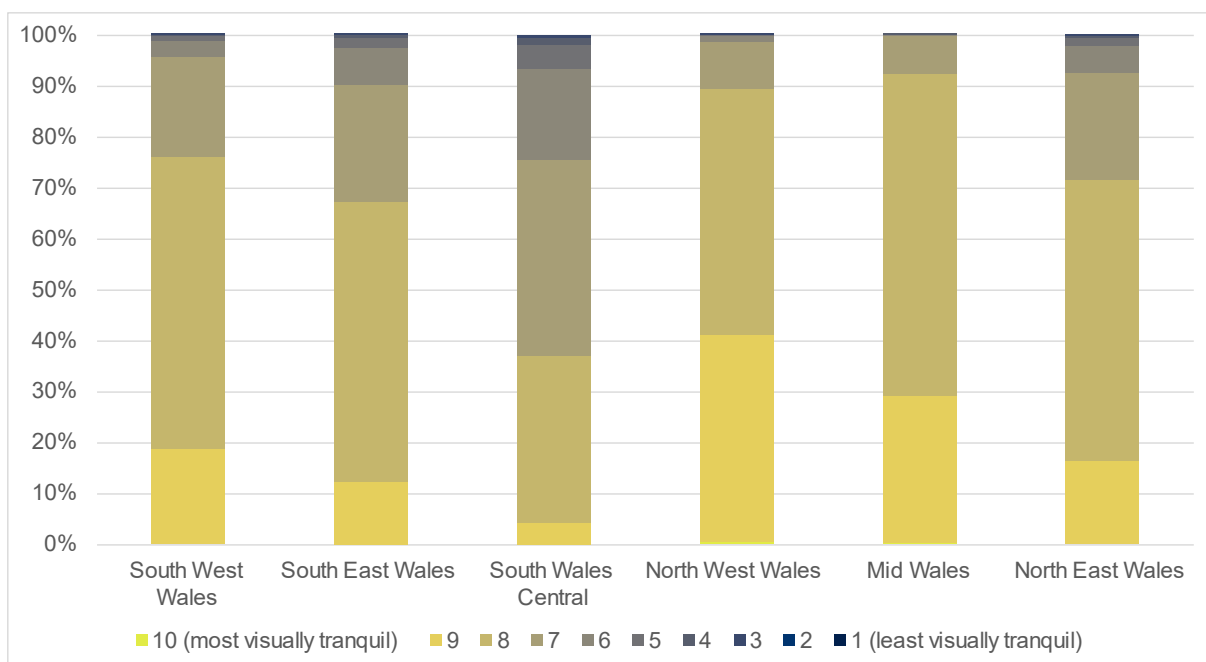
Appendix 4 contains a full breakdown of the proportion of each area in each category, both as a percentage and in km^2.
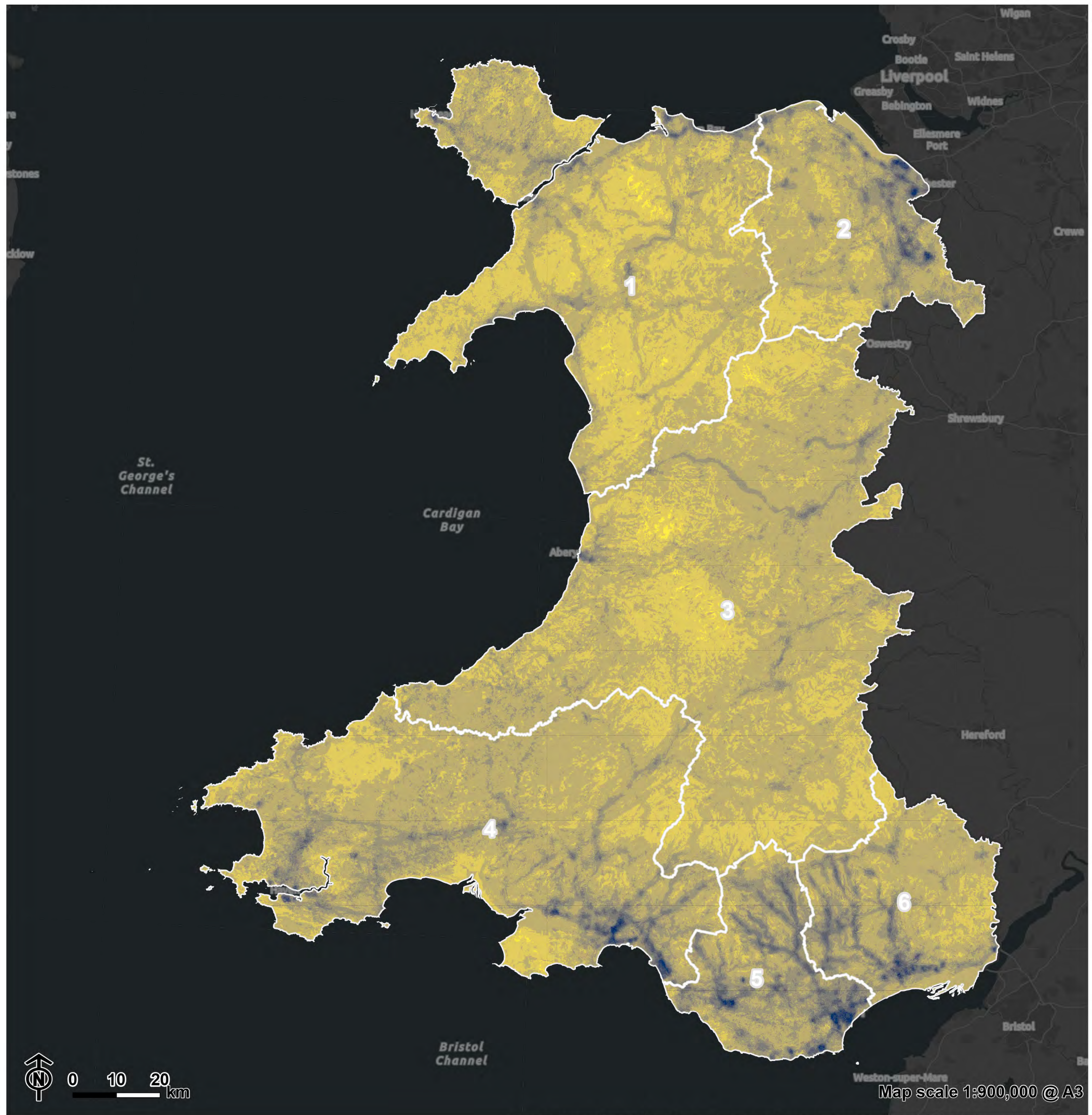
Figure 46: Visual tranquillity and NRW operational areas

Legend:

- 2 (least tranquil)
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (most tranquil)

NRW operational area

1. Gogledd Orllewin Cymru - North West Wales
2. Gogledd Dwyrain Cymru - North East Wales
3. Canolbarth Cymru - Mid Wales
4. De Orllewin Cymru - South West Wales
5. De Cymru Canolog - South Wales Central
6. De Ddwyrain Cymru - South East Wales

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 13/12/2024

Designated landscapes

Looking specifically at the 3 National Parks (Figure 47) and 5 AONBs (Figure 48) in Wales shows that of the three National Parks, Snowdonia has the highest percentage of land area within the top 3 visually tranquil categories at 97%. Llŷn and Gower AONB have the highest proportion of land in the top 3 visually tranquil categories, both at 98%.

Figure 47 Percentage of each National Park falling into each visual tranquillity category (rural)
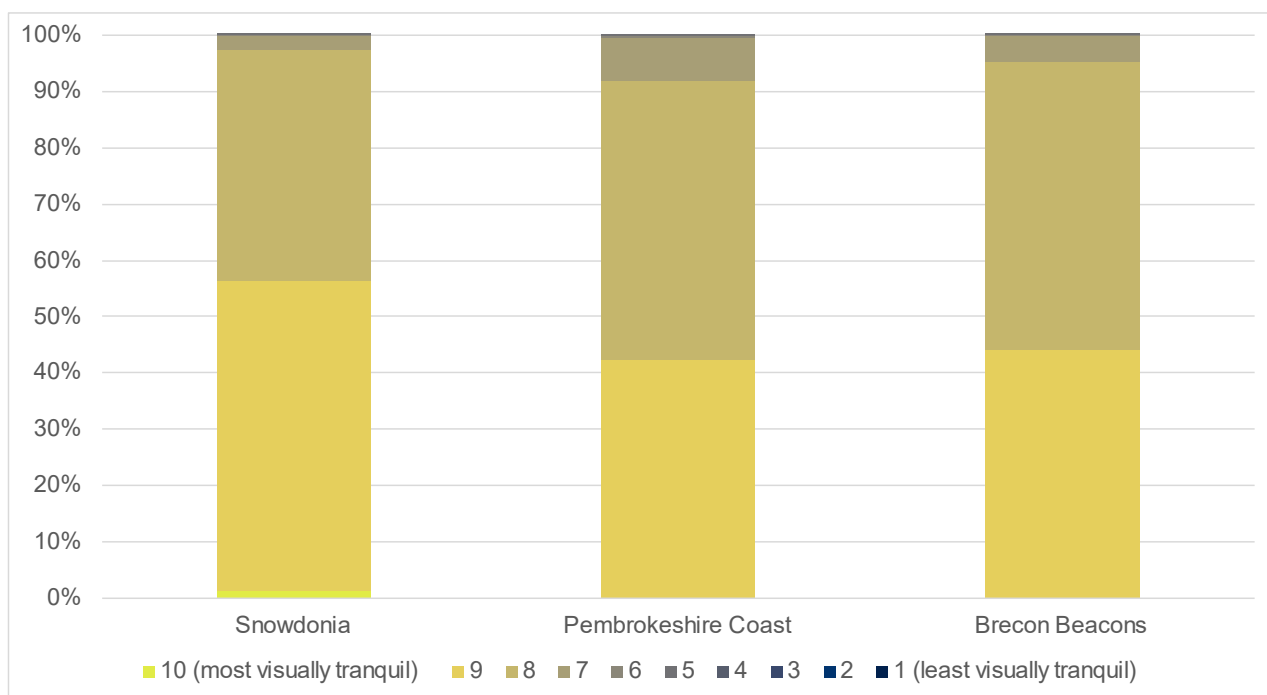
Figure 48 Percentage of each AONB falling into each visual tranquillity category (rural)
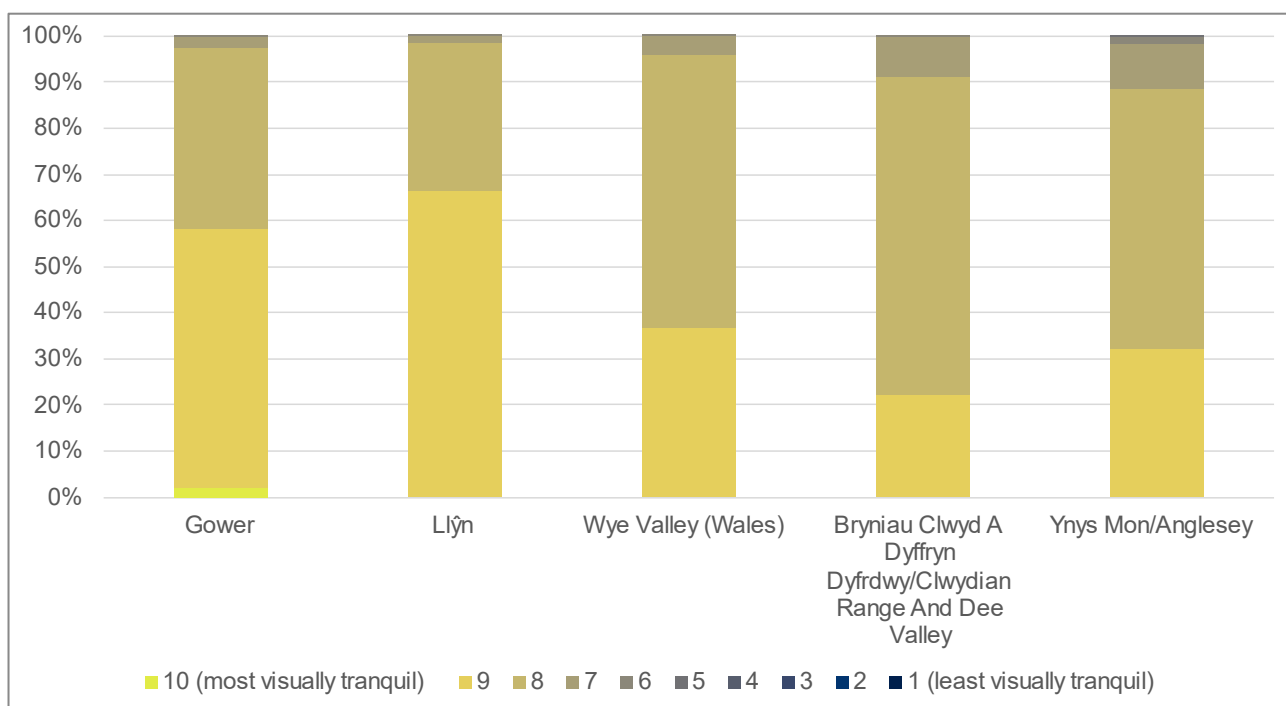
Appendix 5 contains a full breakdown of the proportion of each area in each category, both as a percentage and in km^2.

Figure 49: Visual tranquillity and designated landscapes

2 (least tranquil)	
3	
4	
5	
6	
7	
8	
9	
10 (most tranquil)	

National Park
A. Eryri - Snowdonia
B. Arfordir Sir Benfro -
Pembrokeshire Coast
C. Bannau Brycheiniog - Brecon
Beacons

AONB
1. Ynys Môn - Anglesey
2. Bryniau Clwyd A Dyffryn Dyfrdwy -
Clwydian Range And Dee Valley
3. Llŷn
4. Dyffryn Gŵy - Wye Valley
5. Gŵyr - Gower

National Landscape Character Areas

The theme 5 data is shown against the National Landscape Character Areas (also known as NLCAs) in Figure 50. An index for the reference numbers shown on the map is provided in Table 9.

Appendix 6 contains a full breakdown of the proportion of each area in each colour category, both as a percentage and in km2.

Table 9 National landscape character area reference table

Reference Code	Name
1	Arfordir Môn - Anglesey Coast
2	Canolbarth Men - Central Anglesey
3	Arfon - Arfon
4	Llŷn - Llŷn
5	Bae Tremadog - Tremadoc Bay
6	Eryri - Snowdonia
7	Dyffryn Conwy - Conway Valley
8	Arfordir Colwyn ayr Gogledd - Colwyn and Northern Coastline
9	Bryniau Rhos - Rhos Hills
10	Mynydd Hiraethog - Denbigh Moors
11	Dyffryn Clwyd - Vale of Clwyd
12	Bryniau Clwyd - Clwydian Range
13	Glannau Dyfrdwy a Wrecsam - Deeside and Wrexham
14	Maelor Saesneg - Maelor
15	Dyffryn Dyfrdwy a Llangollen - Llangollen and the Vale of Dee

Reference Code	Name
16	Y Berwyn - Berwyn
17	Bryniau a Dyffrynnoedd Trefaldwyn - Montgomeryshire Hills and Vales
18	Bryniau Sir Amwythig (rhan) - Shropshire Hills (part)
19	Dyffryn Hafren - Severn Valley
20	Bryniau Maesyfed - Radnorshire Hills
21	Uwchdiroedd Cymru - Cambrian Mountains
22	Glannau Aberdyfi - Aberdovey Coast
23	Dyffrynnoedd a Bryniau Rheidol ac Ystwyth - Rheidol and Ystwyth Hills and Valleys
24	Arfordir Ceredigion - Ceredigion Coast
25	Ceredigion - Ceredigion
26	Dyffryn Tefi - Teifi Valley
27	Pen Uchaf Dyffryn Gwy - Upper Wye Valley
28	Ffynhonnau Durol Canolbarth Cymru - The Spas and Wells of Central Wales
29	Dyffrynnoedd Gwy a Gwysg - Wye and Usk Vales
30	Lwyfandir a Dyffrynnoedd Epynt - Epynt Plateau and Valleys
31	Bannau Brycheiniog ayr Mynyddoedd Du - Brecon Beacons and the Black Mountains
32	Dyffrynnoedd Gwendraeth - Gwendraeth Vales
33	Dyffryn Tywi - Tywi Valley

Reference Code	Name
34	Troedfryniau Penfro a Chaerfyrddin - Pembroke and Carmarthen Foothills
35	Arfordir Gorllewin a Gogledd Sir Benfro - West and North Pembrokeshire Coast
36	Bryniau Preseli - Preseli Hills
37	Dyffrynnoedd Taf ayr Cleddau - Taf and Cleddau Vales
38	Hafan Milffwrdd - Milford Haven
39	Arfordir De Sir Benfro - South Pembrokeshire Coast
40	Aber Afonydd Taf, Tywi a Gwendraeth - Taf, Tywi and Gwendraeth Estuaries
41	Gŵyr - Gower
42	Bae Abertawe - Swansea Bay
43	Dyffrynnoedd y De - South Wales Valleys
44	Canolbarth Mynwy - Central Monmouthshire
45	Dyffryn Gŵy a Choed Gwent - Wye Valley and Wentwood
46	Gwastadeddau Gwent - Gwent Levels
47	Casnewydd, Caerdydd ayr Barri - Newport, Cardiff and Barry
48	Bro Morgannwg - Vale of Glamorgan

Figure 50: Visual tranquillity and national landscape character areas

- 2 (least tranquil)
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (most tranquil)
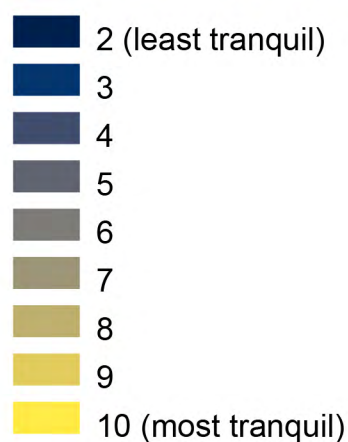
National Landscape Character Area

Refer to Table 9 for national landscape character area names

Map scale 1:900,000 @ A3

Local authorities

The theme 5 data is shown against the local authority boundaries in Figure 51. An index for the reference numbers shown on the map is provided in Table 10.

Appendix 7 contains a full breakdown of the proportion of each area in each colour category, both as a percentage and in km2.

Table 10 Local authority area reference table

Reference Code	Name
1	Sir Ynys Môn - Isle of Anglesey
2	Gwynedd - Gwynedd
3	Conwy - Conwy
4	Sir Ddinbych - Denbighshire
5	Sir y Fflint - Flintshire
6	Wrecsam - Wrexham
7	Powys - Powys
8	Sir Ceredigion - Ceredigion
9	Sir Benfro - Pembrokeshire
10	Sir Gaerfyrddin - Carmarthenshire
11	Abertawe - Swansea
12	Castell-nedd Port Talbot - Neath Port Talbot
13	Pen-y-bont ar Ogwr - Bridgend
14	Rhondda Cynon Taf - Rhondda Cynon Taf
15	Merthyr Tudful - Merthyr Tydfil
16	Caerffili - Caerphilly

Reference Code	Name
17	Blaenau Gwent - Blaenau Gwent
18	Tor-faen - Torfaen
19	Sir Fynwy - Monmouthshire
20	Casnewydd - Newport
21	Caerdydd - Cardiff
22	Bro Morgannwg - the Vale of Glamorgan
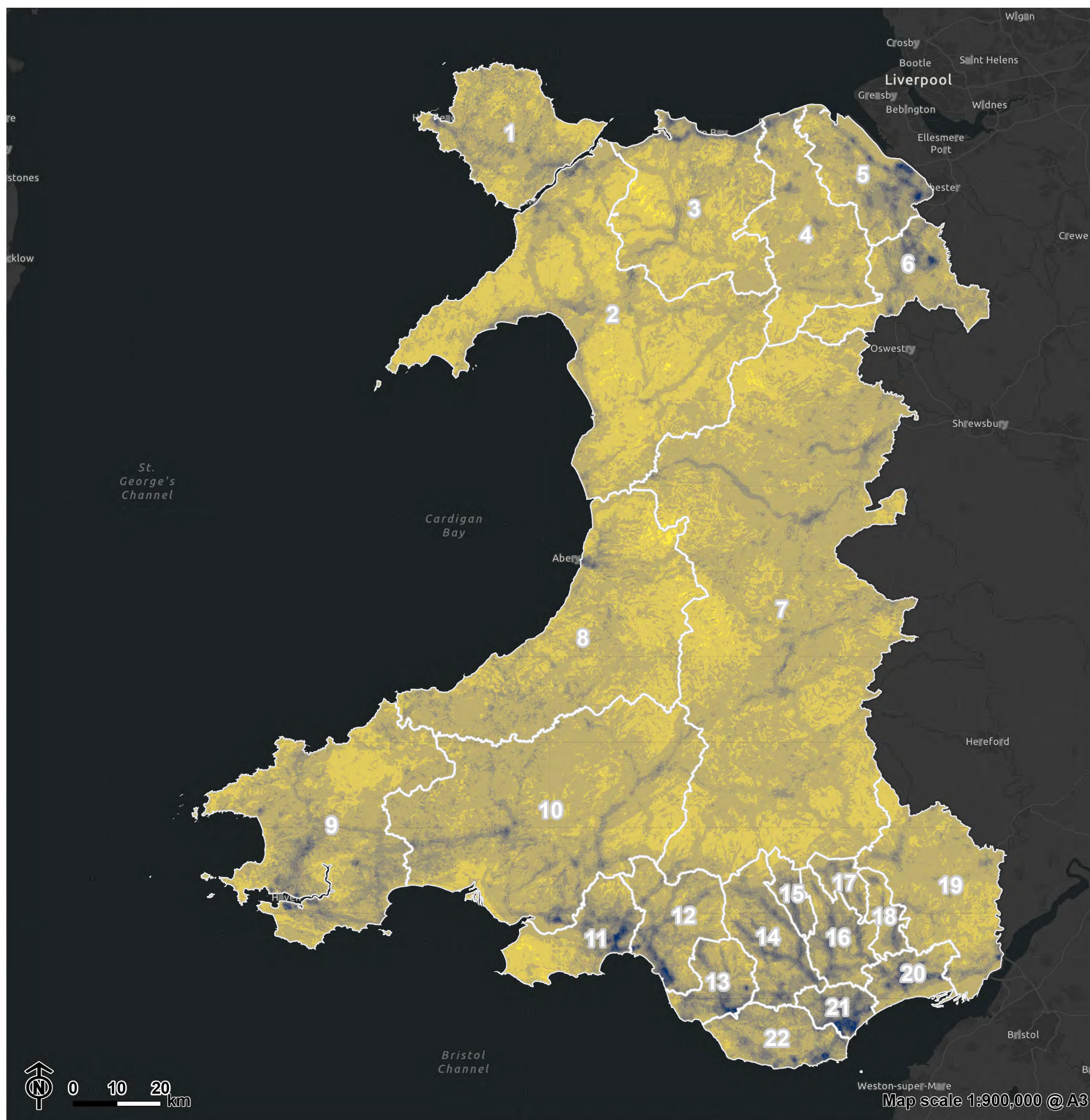
Figure 51: Visual tranquillity and local authorities

2 (least tranquil)
3
4
5
6
7
8
9
10 (most tranquil)
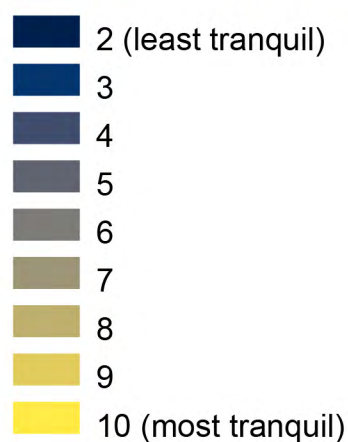
Local authority area

Refer to Table 10 for local authority area names

Future Wales areas

The theme 5 data is shown against the Future Wales areas in Figure 52.

Appendix 8 contains a full breakdown of the proportion of each area in each colour category, both as a percentage and in km^2.

Figure 52: Visual tranquillity and Future Wales Areas

Legend:
- 2 (least tranquil)
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (most tranquil)

- Future Wales area
1. North
2. Mid Wales
3. South West
4. South East

EB:Manson D LUC 11714_Results_Report_Maps_Rural_r2_2024 13/12/2024

Limitations and future enhancements

Data

The project has benefited from a very engaged group of stakeholders who contributed time and ideas during the method development phases. A number of data layers were suggested during stakeholder events that the project team were either unable to secure access to within the project timeframe, or a nationally consistent layer does not yet exist.

It was considered vitally important to use robust, nationally consistent datasets that have a high probability of being maintained and updated in the future.

Whilst some areas have very valuable information that could contribute to our understanding of local tranquillity, if datasets that are not nationally consistent are introduced, the results will be positively biased towards those areas (or conversely negatively biased depending on the data).

IT and time for analysis

The timeframe available for the project was five months. Working at the national scale, every indicator has taken a significant amount of time to model in GIS and a significant amount of processing capacity.

In order to run the multiple viewsheds required for the rural and urban analysis, multiple computers were used and a tool was created to 'split' the viewsheds into 17 tiles that covered all of Wales. This enable processing to be divided up and safeguarded against complete loss of a dataset if a process failed. Instead, if a process failed, the tiles that had already been completed were saved.

Figure 53 Tiles used to split the project area for processing
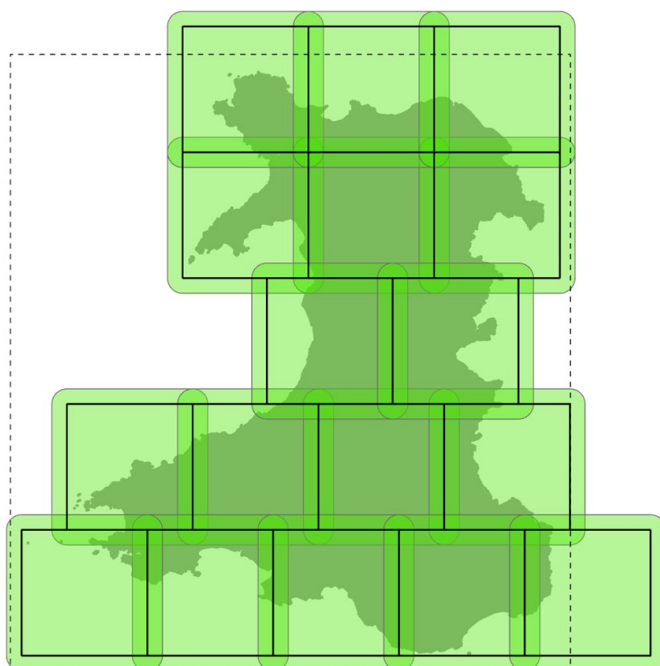
Some indicators took multiple days to run before they could be recompiled and processed.

As described in the Methodology section, the rural analysis uses a 50m resolution whilst the urban analysis uses a 10m resolution (based on OS 5m terrain data). The implications of this are illustrated in Figure 54 below. For every one 50m pixel (used in the rural analysis), that equates to 100 pixels at 5m resolution or 25 pixels at 10m resolution.

Given the time available for processing the urban analysis, the project team needed to be pragmatic about what level of detail could be achieved.

Figure 54 Effect of increasing resolution on the number of pixels to evaluate

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

5m pixel

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

10m pixel

1

50m pixel
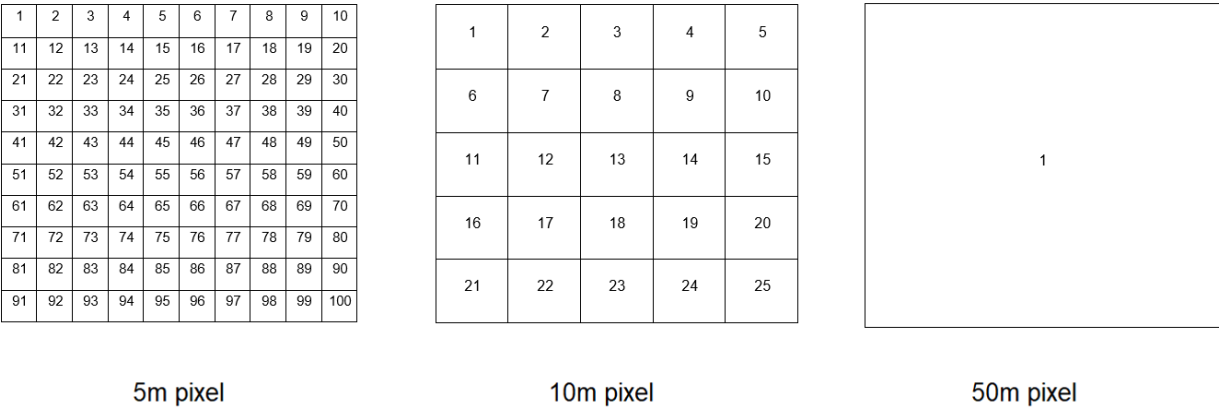
Future enhancements

With the benefit of more time, and access to more complete datasets, the following indicators will be of interest for future enhancements:

- Seeing traditional boundaries (e.g. hedgerows)
- Seeing large attractions
- Seeing shipping lanes
- Flytipping

Using the information

The results of this study are intended to be used in a number of ways, including:

- Highlighting the contribution these areas make to landscape value and identity, and as special qualities in designated landscapes.

- Identification of these areas can help to inform policy relating to their protection, conservation and enhancement to ensure their continued contribution to people and nature, including health, well-being, spiritual benefit and quality of life.

- Identifying places and areas of tranquillity close to where people live, connecting this to placemaking.

- To aid in aligning evidence and advice to positively inform planning application consultations, including an opportunity to target post Covid green recovery developments to consider tranquillity in their design and placemaking, linking to the Placemaking Charter.

- Providing evidence that can be incorporated into plans, assessments and evidence reports such as the State of Natural Resources Reporting (SoNaRR), Green Infrastructure Assessments, Area Statements, designated landscapes state of reports and management plans, local landscape character assessments and well-being assessments.

- Enabling the addition of quantitative tranquillity data to the LANDMAP Visual & Sensory dataset and landscape monitoring programme.

- Future work will consider the degree to which soundscapes deliver relative tranquillity and opportunities for state of quiet, calm, peace and well-being. This study will contribute to the collective work to build up a new Tranquillity Map for Wales.

- Over time, if this study were to be repeated, changes in tranquillity could be measured and monitored to see if increased awareness of the importance of tranquillity is making a positive difference.

To aid in these goals, the information has been presented as a summary StoryMap with an embedded interactive map.

StoryMap and interactive web app

The interactive web application (web app) of Visual Tranquilly in Wales was created to present a summary of the results of this study. It is available here:

[Visit the Visual Tranquilly in Wales StoryMap for further information](#)

The embedded web app allows an individual to interrogate the data themselves in order to get a better understanding of the levels of visual tranquillity in their area of interest. This is

presented in a non-technical way, and is intended to allow anyone with an interest in this information to access it in an intuitive way.

As this web app uses several different geography levels to present context to the visual tranquillity data, it will also serve as a useful planning tool to allow decision makers to determine the sensitivity of the visual tranquillity of an area to developments and consider opportunities for conserving and enhancing existing tranquillity.

Figure 55 Screenshot of the interactive StoryMap
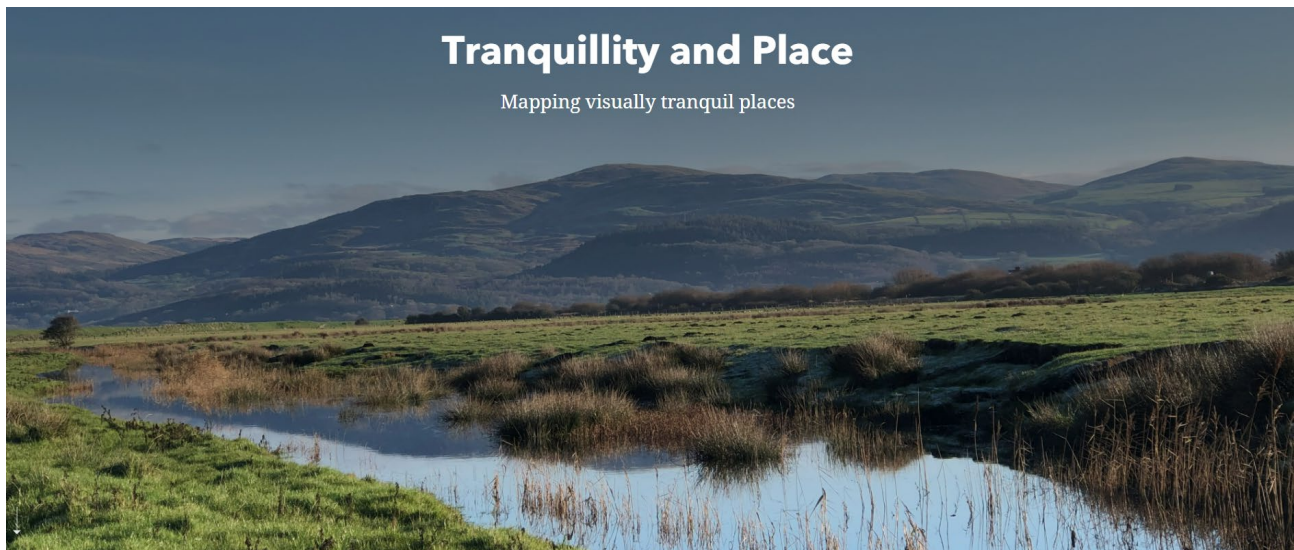
References

Benson et al (2002) Benson, John F, Jackson, Susan P and Scott, Karen E University of Newcastle (2002). Visual Assessment of Windfarms: Best Practice, Scottish Natural Heritage Commissioned Report F01AA303A, Edinburgh.

Countryside Council for Wales, 2011. The Greenspace Toolkit: A Practical Guide to Assessing the Resource and Implementing Local Standards for Accessible Natural Greenspace Provision in Welsh towns and cities. Countryside Council for Wales.

Ekkel, E. and de Vries, S., 2017. Nearby green space and human health: Evaluating accessibility metrics. [online] 157, pp.214-220. Available at: https://www.sciencedirect.com/science/article/abs/pii/S0169204616301153 [Accessed 22 March 2022].

Green, C., Manson, D. and Chamberlain, K., 2021. Tranquillity and Place – Dark Skies. [online] Green C, Manson D, Chamberlain K: Natural Resources Wales. Available at: https://tinyurl.com/yckv3fdc [Accessed 18 March 2022].

Jackson, S., Fuller, D., Dunsford, H., Mowbray, R., Hext, S., MacFarlane R. and Haggett, C. (2008). Tranquillity mapping: developing a robust methodology for planning support, Report to the Campaign to Protect Rural England, Centre for Environmental & Spatial Analysis, Northumbria University, Bluespace environments and the University of Newcastle upon on Tyne. Available at https://www.cpre.org.uk/wp-content/uploads/2019/11/tranquillity_mapping_developing_a_robust_methodology_for_planning_support.pdf [Accessed 18 March 2022].

Appendices

Appendix 1 Extracts from November 2021 stakeholder workshop breakout discussions

Small breakout groups were prompted to discuss the following aspects in three separate sessions:

Session1: What is tranquillity to you?

Participants were asked to think about:

- What makes you feel tranquil – what are your top 5 positive factors
- What detracts from tranquillity – what are your top 5 negative factors
- Do you agree with the indicators we have presented
- What datasets could we use

Considerations:

- Availability of spatial data
- Data update frequency

The following list highlights the range of responses to the question 'what makes you feel tranquil'?

- Seeing the sea, foreshore, beaches
- Wide open spaces, remoteness
- Semi-natural landscapes
- Boundary features, or lack thereof
- Water reflections, scale of the water body, lights reflected
- Cloud cover, night time tranquillity
- Seasons, time of day – assoc with land use
- Murmuration's, more so than group of seagulls – land use
- Space and solitude
- Noise - distinction between noise and sound, can be positive or negative
- Sounds of nature
- Noise maps – road noise areas – also identifies quiet areas – based on perceptions – all in urban areas – NAPPA – Noise Action Plan for Wales
- Distance from roads and buildings
- Seeing trees - scenic value rather than perceiving tranquillity
- Enclosed spaces can be more tranquil than open exposed places – particularly important for urban areas – depends on setting and scale
- Urban areas depend on time of day

- Perception of restored landscape – perceptions may have changed since method framed – romantic notion of unspoiled landscape – refer to quarrying WHS seen as a landscape asset – history in the landscape can take many forms – depends on community interpretation
- Natural sounds/bird sounds
- Songbirds, buzzards – yes / Pigeons, crows, seagulls – no (But gulls in fishing village might not have the same nuisance factor)
- Confidence in my surroundings – comfortable and safe. Familiar, no perceived danger/threats – can reach a state of calm (mountain/middle of Cardiff, not London)
- Seeing wild animals
- Isolation – having a vista without settlement or village
- Historic farmhouses/buildings/abandoned mines – can be tranquil due to historic factor
- Scale of impact with mines. Eg slate in N Wales (WHS) – demonstrates importance of some of these. Seeing open cast less tranquil (noise/flashing lights). Historic time depth of abandoned mines (reclaimed) could be positive
- Absence of perceptible activity (similar to isolation). Quiet and devoid of activity. Could be relatively busy.
- Lots of people visiting the same tranquil locations may end up being too busy
- Safe and familiar locations – your own space and how you feel in it. As opposed to other spaces that you go to.
- Differs according to time – eg honeypot
- Inland water/coastal. Combination of topography and coast. Snowdonia good example.
- Wildness of terrain – more about naturalness of terrain.
- Quality of the built environment.
- Use of natural materials
- Variety of vegetation within view

The following list highlights the range of responses to the question 'what detracts from tranquillity'?

- Large roads
- Intrusive wirescapes
- Stacks – vertical intrusion. Single stacks potentially more impactful than multiple.
- Telecoms masts
- Shipping and lighting from it
- Litter / fly tipping hot spots / street furniture in keeping?
- Anti-social behaviour / graffiti?
- Large car parks
- Light intrustion
- Signs, way markers, cluttered signs, advertisements
- Pembrokeshire – Dobby's grave 'homages', litter, attracting people
- Nuance on settlements, LANDMAP for types of settlements – jarring of differences. Unity in character.
- Windfarms in the landscape, solar, mobile masts
- Campsites
- Number of people – very busy times/seasons affect tranquillity
- Large non-natural infrastructure – does this include e.g. canals, historic buildings – some people see wind turbines as calming

- Powerful features of the landscape – sea, waterfalls may be menacing
- Numbers of people – transient during day and across seasons
- Difference between village and settlement – different LPAs will have different definitions
- Personal anxiety influences your own feeling of tranquillity. Differs by individual. Not only environmental factors
- Light pollution. Can be tranquil at night, but at night, can really detract from tranquillity
- Traffic – visual side of it. Moving vehicles. Movement makes the biggest difference. Depends on type of road. Single track with hedgerows less detracting. Some bigger roads not as significant if there's not a constant stream of vehicles
- Caravan sites – static on coast. Some close to settlements (not as bad), but in remote locations (such as coast path) – break up isolation of those routes. Not strictly because of constant activity – visual.
- Advertising, signage – both urban and rural – i.e airbnbs

Session 2: Relative importance of factors

Participants were introduced to the draft indicator list for both positive and negative indicators and in the second session were ased to think about the relative importance of factors; with the following prompts:

- Are there factors that are more important than others?
- How does distance factor in (buffer distances)?
- Are there any local considerations?

The following section provides notes of these discussions against each of the draft indicators presented. Positive factors are prefaced with a 'P', negative factors with an 'N':

P01 - Naturalness of the land cover

- What proportion of the landscape is natural vs man made. Distance reduces impact
- Altitude can make a difference – ie looking out over the sea
- What about reclaimed sites – natural?
- Farmed landscapes may be highly tranquil
- Degree of industrialisation/intensiveness
- Chance encounters with wildlife
- Very important, affects a lot of other factors
- Terminology. Absence of the built environment.

P02 - Seeing wide open spaces

- Might be a wide open arable farm, so perhaps lower priority
- Arable farms/monoculture plantations – what proportion of the view is more obviously manmade versus natural landscape.
- Scale less important than how 'natural' it is
- Important for urban areas to access open space or just seeing it.
- More about green spaces – how does this relate to P01

- Amount of sky can be seen.

P03 - Seeing the sea

- Subjective. Some love the sea, some prefer woodland and rivers specifics on type of landscapes.
- Not a prerequisite for tranquillity – tranquil areas in mid Wales, views of sea at Holyhead.
- Distance comes with other sensory implications.
- Seeing moving water important

P04 - Seeing streams, rivers and canals

- Extremely subjective – depends on where. River Usk in Newport not the most tranquil looking, but going through town of Usk much more tranquil.
- Water in various forms feels equal in importance.
- Seeing moving water important

P05 - Seeing standing water >2ha

- Scale and setting can alter importance. Distances would differ in urban and rural areas.
- Include reservoirs.
- Seeing moving water important

P06 - Seeing woodland

- Could also include trees and hedges. Individual trees in an urban context
- Boundary mapping/tithe maps – could they show hedges?
- Not plantation woodland – can be busy.
- Possibly also important in urban areas, visually and benefitting the environment.
- Presence of trees important – absence noticeable
- Combination of hedgerows and woodland providing a more diverse landscape

P07 - Seeing Historic buildings

- May not have positive associations
- Contrast – sense of abandonment can be tranquil
- Iconic features present.
- Lower in importance, lack of wouldn't make it feel less tranquil
- Has to be appropriate to the landscape. Materials or age. Fits in to the landscape or not – e.g. castle in urban area.

P08 - Seeing outstanding landscapes

- Most positive factor. Based on landmap, could be a range of landcover types.

- Designated landscapes – could tranquillity be brought in as a special quality for designation/protection.
- Also very important, catches all positive features. Likely close second to P01.
- Visual and Sensory.

Other comments and positive factors suggested:

- Seeing villages and scattered houses positive when part of the character can be positive.
- Needs to be useful in terms of policy/evaluation
- Importance depends on place?
- Potential tranquillity – can be tranquil if nobody there…

N01 - Seeing settlements

- Huge impact – especially when in the middle of them.
- More important, and detracting
- Depends on settlement type

N02 - Seeing villages and scattered houses

- Depends on the type of development. Rural cottages don't affect tranquillity adversely versus larger holiday homes.
- Less important
- Might not always be a negative. Can add to landscape.

N03 - Seeing roads

- Low and possibly screened
- Scale of features should determine distance buffer
- Importance would depend on road type
- Traffic density, postman Pat
- Very important. Size most important factor.
- Materials. Tarmac vs dirt road. Visual distraction.
- Differentiate between sizes of roads. Small roads can add to character of landscape.

N04 - Seeing railways

- Low and possibly screened
- Different levels of use – scale
- Less important
- Often feels quintessential, romaticised
- Electrified are more visible. But overall less important than roads. Not lit up at night.
- Depends on volume of traffic

N05 - Seeing low flying aircraft

- Lower
- Some are more dependent on sound
- RAF valley, visually intrusive, buildings assoc. hangars. Lighting also worth thinking about.
- Drones, leisure activities, loss of privacy, disturbing wildlife.
- Distance from source based importance
- Distance to airport. Number and frequency.

N06 - Seeing high flying aircraft

- Ruled out
- Negligible
- Possibly more to do with trails
- Not high importance

N07 - Seeing military training (other than aircraft)

- Probably not as relevant (not like Salisbury plain!). Senny Bridge (S Wales) more activity (BBNP). Land-based military training.
- Castle Martin – quite natural, ecologically rich. No access.
- Distance from source based importance
- Traffic impacts, potential effects on well-being
- Probably wouldn't even know. More the noise.
- Often these areas are more natural that surrounding areas.
- Might not always be a negative. Can add to landscape.

N08 - Seeing quarries/ mines

- LDPs, regional aggregate groupings (Gayle)
- Landfill / waste management – assoc traffic.
- Not always negative. Part of Wales' heritage.
- Active or retired.

N09 – Seeing large non-natural features that are people attractors

- Static caravan sites, golf courses. High importance. The more exclusive they are, the more they may impact your sense of tranquillity as it's not available to you. Large replacement dwelling/things that affect landscape character.
- Litter, car parks, pollution?
- Car parks, campsites, pop up developments, festivals, temporary – usually land use is fields. Ephemeral. Organised events
- Anti-social parking in lay-bys, verges – local pressure points / tourism destinations / viewpoints / non-designated campsites 'dirty camping'.

- Second to N10
- Important to think about screening, Bluestone is quite enclosed.

N10 - Seeing large non-natural infrastructure

- Most important. Usually not very weel screened and in isolated areas.
- Younger generation may expect this more. Uncertainty and change perhaps not as easily accepted.
- Power lines – straight lines, more akin to roads, railways than this category?
- Wind turbines are moving features.
- Happy to keep together, potentially those with moving parts to be separate. Static / dynamic structures.
- No desire to separate vertical and horizontal infra.
- Include polytunnels? They can be seasonal.
- Really important
- Vertical components are quite important.

Other comments and negative factors suggested:

- All factors – negative views depend on context of the viewpoint.
- Visually/hearing impaired people?
- Shipping

Session 3: Urban vs rural

Participants were invited to discuss the potential differences required for mapping tranquillity in urban versus rural areas with the following prompts:

- What factors are different between rural and urban
- Are there any additional factors at play in one or the other
- Could we use the same data but just change the distances to which they are relevant
- Different datasets in rural/urban

P01 - Naturalness of the land cover

- Semi-natural habitats, parks, connectivity between urban and rural and within urban areas in terms of biodiversity and access. Possibly also pick up cycle routes, footpaths. NDVI data in private gardens. Street trees. Green roofs, verges, SuDS, community planting. Allotments.
- Urban – parks – i.e Richmond Park in London.
- Anything is better than nothing in dense urban areas. Small areas, need to be well designed to make them work as much as possible.

P02 - Seeing wide open spaces

- Access to open space in urban areas.

- Ability to see out of urban area (vista)
- Elevated viewpoints
- Not applicable in urban areas? Could use open space data?
- Urban tranquil spaces tend to be smaller, more intimate
- Physical access NB. GI – outstanding landscapes, sea, natural land cover (I.e menai bridge) access via footpath. Though a combination of these things, can access these places and experience tranquillity.
- In urban context ,less sense of claustrophobia – open vista. Could be parks in urban rather than landscape vista – regardless of size.
- High rise block of flats, any green space brings a sense of tranquillity

P03 - Seeing the sea

- Possibly not important in urban area. Very important when right next to the sea in an urban area.
- Land / water interface and proximity to. Regardless of closness, tranquil impact.
- Views out of windows, building height data. Sensitivity changes depending on personal location.
- Again – depends where you are in relation to the sea
- Possibly the same in both contexts – get away from the city in an urban

P04 - Seeing streams, rivers and canals

- In urban areas possibly more related to sound.
- Very important when right next to them in an urban area.
- Link with amenity – have thought about these as amenity in the past, but also provide tranquillity. Trees might prevent development if protected. Same with historic buildings – less lighting etc. Sit more quietly in the landscape.

P05 - Seeing standing water >2ha

- Urban areas look at smaller areas of water
- Smaller areas within urban areas, canals, ponds, Suds

P06 - Seeing woodland

- Rural areas if sparse tree cover then a few are a benefit
- Even one or two trees can make a difference in an urban area. May depend on the size and type of tree
- High importance of single trees to local area

P07 - Seeing Historic buildings

- e.g. churches within green space – more about space than the building itself – historic green spaces

- Potentially more important in an urban context. Historic buildings hold attraction, awaken curiosity.

P08 - Seeing outstanding landscapes

- Different definition of 'outstanding' – how to determine
- SINCs and nature reserves, RIGS

Other comments on positive factors:

- Can sometimes be more restrictive in rural areas for lack of access, compared to abundance in urban areas.
- Perspectives on who owns the land, is value added if owned by certain organisations. Designated landscapes, can they impact perception.
- In some tranquil areas, busier at weekends, versus urban areas being quieter on the weekends.

N01 - Seeing settlements

- Accessibility compensates for lack of tranquillity.
- Has to account for expectations
- Need to split out types of settlements
- Seeing another settlement from within one, green space in between Green Belt data.
- Public views can represent this better than data. Subjective

N02 - Seeing villages and scattered houses

- Visibility analysis for distant views, potentially positive in urban areas

N03 - Seeing roads

- Well maintained – clean road more tranquil
- Density of road network

N04 - Seeing railways

- Frequency
- Can be intrusive even with no trains – so can be negative in visual terms

N05 - Seeing low flying aircraft

- Close to airports

- Does have an impact (also noise), but doesn't mean e.g. an urban park would not be tranquil

N06 - Seeing high flying aircraft

- Less important

N07 - Seeing military training (other than aircraft)

- Less apt in urban

N08 - Seeing quarries/ mines

- Less apt in urban
- Active quarries have noise element
- Landfill to be included – smell impacts on tranquillity
- Recycling centres, water treatment, 'clutter'

N09 – Seeing large non-natural features that are people attractors

- Consistent between rural/urban
- Gatherings less impactful on tranquillity in urban areas
- Abundance of people, some may perceive as more safe, others less tranquil. Shared experiences can be tranquil, depends on calibre of people potentially.
- Stadiums, capacity to absorb crowds, again depends on time
- Urban areas are non-natural features

N10 - Seeing large non-natural infrastructure

- If surrounded by non-natural structures, difficult to identify features over and above this. Bridges and overpasses may have even more negative impact. Big tall chimney stacks (pollutants/perception)
- Comes down to quality of town planning/design.
- With increased pressure for housing, some have lower level of tranquillity/design.

Other comments on negative factors:

- Criminality in parks and woodland – comfort in those areas.
- Fly tipping mapping
- Fly tipping / litter / anti social behaviour
- Looking after of the area
- Distances would have to be less for all features
- Distances cant be specific as depends on local detail

- How do views and noise interact e.g. for railways
- Intensity of use – relative tranquillity depends on users experience
- Industrial areas

Appendix 2 Format of February 2022 stakeholder workshop 2

Stakeholder workshop 2 held in February 2022 provided an opportunity to share the draft mapping for rural areas and to invite feedback and commentary on the emerging results. The format of the session was as follows:

- Introduction to the project
- Progress so far
- Indicators – two 15 minute break out sessions
- Challenges and limitations
- Future enhancements – group discussion
- Next steps
- Questions

Appendix 3 Indicator T1-01 Naturalness of land cover scoring approach

Rural

Corine category	Score
1.1.1 Continuous urban fabric	0
1.1.2 Discontinuous urban fabric	0
1.2.1 Industrial or commercial units	0
1.2.2 Road and rail networks and associated land	0
1.2.3 Port areas	0
1.2.4 Airports	0
1.3.1 Mineral extraction sites	0
1.3.2 Dump sites	0
1.3.3 Construction sites	0
2.4.2 Complex cultivation patterns	2
2.4.3 Land principally occupied by agriculture, with significant areas of natural vegetation	2
1.4.1 Green urban areas	4
1.4.2 Sport and leisure facilities	4
2.1.1 Non-irrigated arable land	4
2.2.2 Fruit trees and berry plantations	4
2.3.1 Pastures	4
3.2.1 Natural grassland	4
3.2.4 Transitional woodland/shrub	4
3.3.2 Bare rock	4
3.3.3 Sparsely vegetated areas	4
3.1.1 Broad-leaved forest	6
3.1.2 Coniferous forest	6
3.1.3 Mixed forest	6
3.2.2 Moors and heathland	6
3.3.1 Beaches, dunes, sands	6
4.1.1 Inland marshes	8
4.1.2 Peatbogs	8
4.2.1 Salt marshes	8
4.2.3 Intertidal flats	8
5.1.1 Water courses	8
5.1.2 Water bodies	8
5.2.1 Coastal lagoons	8
5.2.2 Estuaries	8
5.2.3 Sea and ocean	8

Urban

DescGroup	DescTerm	NRW scores
General Surface,Inland Water	Null	10
General Surface,Tidal Water	Null	10
General Surface,Tidal Water	Foreshore	10
Inland Water	Null	10
Inland Water,Natural Environment	Null	10
Inland Water,Natural Environment	Marsh Reeds Or Saltmarsh	10
Landform,Inland Water	Cliff	10
Landform,Rail	Cliff	10
Natural Environment	Heath	10
Natural Environment	Heath,Boulders	10
Natural Environment	Heath,Boulders (Scattered)	10
Natural Environment	Heath,Boulders (Scattered),Rock	10
Natural Environment	Heath,Boulders (Scattered),Rock (Scattered)	10
Natural Environment	Heath,Boulders (Scattered),Rock (Scattered),Rough Grassland	10
Natural Environment	Heath,Boulders (Scattered),Rock (Scattered),Scrub,Rough Grassland	10
Natural Environment	Heath,Boulders (Scattered),Rock,Rough Grassland	10
Natural Environment	Heath,Boulders (Scattered),Rough Grassland	10
Natural Environment	Heath,Boulders (Scattered),Rough Grassland,Rock	10
Natural Environment	Heath,Boulders (Scattered),Rough Grassland,Rock (Scattered)	10
Natural Environment	Heath,Boulders (Scattered),Rough Grassland,Scrub,Coniferous Trees (Scattered)	10
Natural Environment	Heath,Boulders (Scattered),Scrub	10
Natural Environment	Heath,Boulders (Scattered),Scrub,Rough Grassland	10
Natural Environment	Heath,Boulders (Scattered),Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Boulders,Nonconiferous Trees (Scattered),Rough Grassland	10
Natural Environment	Heath,Boulders,Rock	10
Natural Environment	Heath,Boulders,Rock (Scattered)	10
Natural Environment	Heath,Boulders,Rock (Scattered),Rough Grassland	10
Natural Environment	Heath,Boulders,Rough Grassland	10
Natural Environment	Heath,Boulders,Rough Grassland,Rock	10
Natural Environment	Heath,Boulders,Rough Grassland,Rock (Scattered)	10
Natural Environment	Heath,Boulders,Scrub	10
Natural Environment	Heath,Coniferous Trees	10
Natural Environment	Heath,Coniferous Trees (Scattered)	10
Natural Environment	Heath,Coniferous Trees (Scattered),Nonconiferous Trees	10

DescGroup	DescTerm	NRW scores
	(Scattered),Boulders (Scattered),Rough Grassland	
Natural Environment	Heath,Coniferous Trees (Scattered),Rock (Scattered),Scrub	10
Natural Environment	Heath,Coniferous Trees (Scattered),Rock,Boulders	10
Natural Environment	Heath,Coniferous Trees (Scattered),Rough Grassland	10
Natural Environment	Heath,Coniferous Trees (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Coniferous Trees,Rough Grassland	10
Natural Environment	Heath,Marsh Reeds Or Saltmarsh	10
Natural Environment	Heath,Marsh Reeds Or Saltmarsh,Nonconiferous Trees (Scattered),Rough Grassland	10
Natural Environment	Heath,Marsh Reeds Or Saltmarsh,Rough Grassland	10
Natural Environment	Heath,Marsh Reeds Or Saltmarsh,Rough Grassland,Scrub	10
Natural Environment	Heath,Nonconiferous Trees	10
Natural Environment	Heath,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rock (Scattered)	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rock (Scattered),Boulders	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland,Scrub	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rough Grassland	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rough Grassland,Rock	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered)	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Rough Grassland,Scrub	10
Natural Environment	Heath,Nonconiferous Trees (Scattered),Scrub	10
Natural Environment	Heath,Nonconiferous Trees,Rough Grassland	10
Natural Environment	Heath,Nonconiferous Trees,Rough Grassland,Scrub	10
Natural Environment	Heath,Nonconiferous Trees,Scrub	10
Natural Environment	Heath,Rock	10
Natural Environment	Heath,Rock (Scattered)	10
Natural Environment	Heath,Rock (Scattered),Boulders	10
Natural Environment	Heath,Rock (Scattered),Boulders (Scattered)	10
Natural Environment	Heath,Rock (Scattered),Boulders (Scattered),Rough Grassland	10
Natural Environment	Heath,Rock (Scattered),Boulders,Rough Grassland	10

DescGroup	DescTerm	NRW scores
Natural Environment	Heath,Rock (Scattered),Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rock (Scattered),Rough Grassland	10
Natural Environment	Heath,Rock (Scattered),Rough Grassland,Boulders	10
Natural Environment	Heath,Rock (Scattered),Rough Grassland,Boulders (Scattered)	10
Natural Environment	Heath,Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rock (Scattered),Rough Grassland,Scrub	10
Natural Environment	Heath,Rock (Scattered),Scrub	10
Natural Environment	Heath,Rock (Scattered),Scrub,Rough Grassland	10
Natural Environment	Heath,Rock,Boulders	10
Natural Environment	Heath,Rock,Boulders (Scattered),Rough Grassland	10
Natural Environment	Heath,Rock,Coniferous Trees	10
Natural Environment	Heath,Rock,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rock,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rock,Rough Grassland	10
Natural Environment	Heath,Rock,Rough Grassland,Boulders	10
Natural Environment	Heath,Rock,Rough Grassland,Boulders (Scattered)	10
Natural Environment	Heath,Rock,Rough Grassland,Scrub	10
Natural Environment	Heath,Rock,Scrub	10
Natural Environment	Heath,Rough Grassland	10
Natural Environment	Heath,Rough Grassland,Boulders	10
Natural Environment	Heath,Rough Grassland,Boulders (Scattered)	10
Natural Environment	Heath,Rough Grassland,Coniferous Trees	10
Natural Environment	Heath,Rough Grassland,Coniferous Trees (Scattered)	10
Natural Environment	Heath,Rough Grassland,Marsh Reeds Or Saltmarsh	10
Natural Environment	Heath,Rough Grassland,Nonconiferous Trees	10
Natural Environment	Heath,Rough Grassland,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rough Grassland,Nonconiferous Trees (Scattered),Scrub	10
Natural Environment	Heath,Rough Grassland,Rock	10
Natural Environment	Heath,Rough Grassland,Rock (Scattered)	10
Natural Environment	Heath,Rough Grassland,Rock (Scattered),Boulders	10
Natural Environment	Heath,Rough Grassland,Rock (Scattered),Boulders (Scattered)	10
Natural Environment	Heath,Rough Grassland,Rock (Scattered),Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rough Grassland,Rock (Scattered),Scrub	10
Natural Environment	Heath,Rough Grassland,Rock,Boulders	10
Natural Environment	Heath,Rough Grassland,Rock,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Rough Grassland,Scrub	10

DescGroup	DescTerm	NRW scores
Natural Environment	Heath,Rough Grassland,Scrub,Boulders	10
Natural Environment	Heath,Rough Grassland,Scrub,Boulders (Scattered)	10
Natural Environment	Heath,Rough Grassland,Scrub,Nonconiferous Trees	10
Natural Environment	Heath,Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Scrub	10
Natural Environment	Heath,Scrub,Boulders (Scattered)	10
Natural Environment	Heath,Scrub,Boulders (Scattered),Rock (Scattered),Rough Grassland	10
Natural Environment	Heath,Scrub,Boulders (Scattered),Rough Grassland	10
Natural Environment	Heath,Scrub,Nonconiferous Trees	10
Natural Environment	Heath,Scrub,Nonconiferous Trees (Scattered)	10
Natural Environment	Heath,Scrub,Nonconiferous Trees,Rough Grassland	10
Natural Environment	Heath,Scrub,Rock	10
Natural Environment	Heath,Scrub,Rock (Scattered)	10
Natural Environment	Heath,Scrub,Rock (Scattered),Boulders (Scattered),Rough Grassland	10
Natural Environment	Heath,Scrub,Rock (Scattered),Rough Grassland	10
Natural Environment	Heath,Scrub,Rough Grassland	10
Natural Environment	Heath,Scrub,Rough Grassland,Nonconiferous Trees,Coniferous Trees	10
Natural Environment	Heath,Scrub,Rough Grassland,Rock (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh	10
Natural Environment	Marsh Reeds Or Saltmarsh,Boulders (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Boulders,Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Boulders,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Coniferous Trees	10
Natural Environment	Marsh Reeds Or Saltmarsh,Coniferous Trees (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Coniferous Trees,Nonconiferous Trees	10
Natural Environment	Marsh Reeds Or Saltmarsh,Coniferous Trees,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Heath	10
Natural Environment	Marsh Reeds Or Saltmarsh,Heath,Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Nonconiferous Trees	10
Natural Environment	Marsh Reeds Or Saltmarsh,Nonconiferous Trees (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Nonconiferous Trees (Scattered),Rough Grassland,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Nonconiferous Trees (Scattered),Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Nonconiferous Trees,Coniferous Trees	10

DescGroup	DescTerm	NRW scores
Natural Environment	Marsh Reeds Or Saltmarsh,Nonconiferous Trees,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered),Heath	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered),Heath,Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered),Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered),Rough Grassland,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered),Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rock (Scattered),Scrub,Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rough Grassland,Boulders (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rough Grassland,Heath	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rough Grassland,Nonconiferous Trees	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rough Grassland,Rock (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Rough Grassland,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Scrub	10
Natural Environment	Marsh Reeds Or Saltmarsh,Scrub,Coniferous Trees,Nonconiferous Trees	10
Natural Environment	Marsh Reeds Or Saltmarsh,Scrub,Nonconiferous Trees	10
Natural Environment	Marsh Reeds Or Saltmarsh,Scrub,Nonconiferous Trees (Scattered)	10
Natural Environment	Marsh Reeds Or Saltmarsh,Scrub,Rough Grassland	10
Natural Environment	Marsh Reeds Or Saltmarsh,Scrub,Rough Grassland,Heath	10
Natural Environment	Nonconiferous Trees	10
Natural Environment	Nonconiferous Trees (Scattered)	10
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland	10
Natural Environment	Rough Grassland	10
Natural Environment	Rough Grassland,Coniferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Coniferous Trees (Scattered),Heath	10
Natural Environment	Rough Grassland,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Scrub	10

DescGroup	DescTerm	NRW scores
Natural Environment	Rough Grassland,Coniferous Trees (Scattered),Scrub	10
Natural Environment	Rough Grassland,Coniferous Trees (Scattered),Scrub,Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Coniferous Trees,Nonconiferous Trees	10
Natural Environment	Rough Grassland,Coniferous Trees,Nonconiferous Trees,Scrub	10
Natural Environment	Rough Grassland,Coniferous Trees,Rock (Scattered)	10
Natural Environment	Rough Grassland,Coniferous Trees,Scrub	10
Natural Environment	Rough Grassland,Coniferous Trees,Scrub,Nonconiferous Trees	10
Natural Environment	Rough Grassland,Coppice Or Osiers	10
Natural Environment	Rough Grassland,Coppice Or Osiers,Nonconiferous Trees	10
Natural Environment	Rough Grassland,Coppice Or Osiers,Nonconiferous Trees,Scrub	10
Natural Environment	Rough Grassland,Coppice Or Osiers,Scrub	10
Natural Environment	Rough Grassland,Coppice Or Osiers,Scrub,Nonconiferous Trees	10
Natural Environment	Rough Grassland,Heath	10
Natural Environment	Rough Grassland,Heath,Boulders	10
Natural Environment	Rough Grassland,Heath,Boulders (Scattered)	10
Natural Environment	Rough Grassland,Heath,Boulders (Scattered),Rock	10
Natural Environment	Rough Grassland,Heath,Boulders (Scattered),Rock (Scattered)	10
Natural Environment	Rough Grassland,Heath,Boulders (Scattered),Scrub	10
Natural Environment	Rough Grassland,Heath,Boulders,Rock	10
Natural Environment	Rough Grassland,Heath,Coniferous Trees	10
Natural Environment	Rough Grassland,Heath,Coniferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Heath,Marsh Reeds Or Saltmarsh	10
Natural Environment	Rough Grassland,Heath,Nonconiferous Trees	10
Natural Environment	Rough Grassland,Heath,Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Heath,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Heath,Nonconiferous Trees (Scattered),Rock	10
Natural Environment	Rough Grassland,Heath,Rock	10
Natural Environment	Rough Grassland,Heath,Rock (Scattered)	10
Natural Environment	Rough Grassland,Heath,Rock (Scattered),Boulders	10
Natural Environment	Rough Grassland,Heath,Rock (Scattered),Boulders (Scattered)	10

DescGroup	DescTerm	NRW scores
Natural Environment	Rough Grassland,Heath,Rock (Scattered),Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Heath,Rock (Scattered),Scrub	10
Natural Environment	Rough Grassland,Heath,Rock,Boulders	10
Natural Environment	Rough Grassland,Heath,Rock,Boulders (Scattered)	10
Natural Environment	Rough Grassland,Heath,Scrub	10
Natural Environment	Rough Grassland,Heath,Scrub,Boulders (Scattered)	10
Natural Environment	Rough Grassland,Heath,Scrub,Rock (Scattered)	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh,Boulders (Scattered)	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh,Heath	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh,Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh,Rock (Scattered)	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh,Scrub	10
Natural Environment	Rough Grassland,Marsh Reeds Or Saltmarsh,Scrub,Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders (Scattered),Heath,Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders (Scattered),Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders (Scattered),Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders,Rock	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Boulders,Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Boulders (Scattered),Heath	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Scrub	10

DescGroup	DescTerm	NRW scores
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Heath	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Heath,Boulders (Scattered),Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Heath,Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Rock	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Rock (Scattered),Heath	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Rock (Scattered),Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Rock,Boulders (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees (Scattered),Scrub,Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Boulders	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Boulders (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Coniferous Trees	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Coniferous Trees,Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Coppice Or Osiers	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Coppice Or Osiers,Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Heath	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Rock	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Rock (Scattered)	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Rock (Scattered),Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Scrub	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Scrub,Coniferous Trees	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Scrub,Coppice Or Osiers	10
Natural Environment	Rough Grassland,Nonconiferous Trees,Scrub,Rock (Scattered)	10
Natural Environment,Inland Water	Marsh Reeds Or Saltmarsh	10
Natural Environment,Path	Marsh Reeds Or Saltmarsh	10
Natural Environment,Rail	Marsh Reeds Or Saltmarsh	10
Natural Environment,Rail	Marsh Reeds Or Saltmarsh,Nonconiferous Trees	10
Natural Environment,Rail	Marsh Reeds Or Saltmarsh,Rough Grassland	10

DescGroup	DescTerm	NRW scores
Natural Environment,Rail	Marsh Reeds Or Saltmarsh,Scrub	10
Natural Environment,Rail	Rough Grassland,Heath	10
Natural Environment,Road Or Track	Boulders (Scattered),Rough Grassland,Scrub,Heath	10
Natural Environment,Road Or Track	Boulders (Scattered),Scrub,Heath	10
Natural Environment,Road Or Track	Boulders,Rough Grassland	10
Natural Environment,Road Or Track	Heath	10
Natural Environment,Road Or Track	Heath,Boulders (Scattered)	10
Natural Environment,Road Or Track	Heath,Rock (Scattered)	10
Natural Environment,Road Or Track	Heath,Rough Grassland	10
Natural Environment,Road Or Track	Heath,Scrub	10
Natural Environment,Road Or Track	Marsh Reeds Or Saltmarsh	10
Natural Environment,Road Or Track	Marsh Reeds Or Saltmarsh,Nonconiferous Trees	10
Natural Environment,Road Or Track	Marsh Reeds Or Saltmarsh,Rough Grassland	10
Natural Environment,Road Or Track	Marsh Reeds Or Saltmarsh,Scrub	10
Natural Environment,Road Or Track	Marsh Reeds Or Saltmarsh,Scrub,Nonconiferous Trees	10
Natural Environment,Road Or Track	Rock	10
Natural Environment,Road Or Track	Rock (Scattered)	10
Natural Environment,Road Or Track	Rough Grassland,Heath	10
Natural Environment,Road Or Track	Rough Grassland,Rock (Scattered),Heath	10
Natural Environment,Road Or Track	Scrub,Heath	10
Natural Environment,Road Or Track	Scrub,Heath,Rough Grassland	10
Tidal Water	Null	10
Tidal Water	Foreshore	10
Tidal Water,General Feature	Foreshore	10
Tidal Water,General Surface	Foreshore	10
Tidal Water,Natural Environment	Foreshore	10
Natural Environment	Coniferous Trees	8
Natural Environment	Coniferous Trees (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Boulders	8
Natural Environment	Coniferous Trees (Scattered),Boulders (Scattered),Nonconiferous Trees (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Boulders (Scattered),Scrub,Rough Grassland	8
Natural Environment	Coniferous Trees (Scattered),Heath	8
Natural Environment	Coniferous Trees (Scattered),Heath,Nonconiferous Trees (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Heath,Rough Grassland	8
Natural Environment	Coniferous Trees (Scattered),Heath,Scrub	8
Natural Environment	Coniferous Trees (Scattered),Marsh Reeds Or Saltmarsh	8
Natural Environment	Coniferous Trees (Scattered),Marsh Reeds Or Saltmarsh,Scrub	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	8

DescGroup	DescTerm	NRW scores
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Heath	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rock (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rough Grassland	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Heath	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Scrub	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Scrub	8
Natural Environment	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Scrub,Rough Grassland	8
Natural Environment	Coniferous Trees (Scattered),Rock	8
Natural Environment	Coniferous Trees (Scattered),Rock (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Rock,Heath	8
Natural Environment	Coniferous Trees (Scattered),Rough Grassland	8
Natural Environment	Coniferous Trees (Scattered),Rough Grassland,Boulders (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Rough Grassland,Heath	8
Natural Environment	Coniferous Trees (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Rough Grassland,Rock (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Rough Grassland,Scrub	8
Natural Environment	Coniferous Trees (Scattered),Scrub	8
Natural Environment	Coniferous Trees (Scattered),Scrub,Boulders (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Scrub,Heath	8
Natural Environment	Coniferous Trees (Scattered),Scrub,Nonconiferous Trees (Scattered)	8
Natural Environment	Coniferous Trees (Scattered),Scrub,Rough Grassland	8
Natural Environment	Coniferous Trees (Scattered),Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	8
Natural Environment	Coniferous Trees,Boulders	8
Natural Environment	Coniferous Trees,Boulders (Scattered)	8
Natural Environment	Coniferous Trees,Boulders (Scattered),Nonconiferous Trees	8
Natural Environment	Coniferous Trees,Boulders (Scattered),Rock (Scattered)	8
Natural Environment	Coniferous Trees,Boulders,Nonconiferous Trees	8
Natural Environment	Coniferous Trees,Coppice Or Osiers	8

DescGroup	DescTerm	NRW scores
Natural Environment	Coniferous Trees,Coppice Or Osiers,Nonconiferous Trees	8
Natural Environment	Coniferous Trees,Coppice Or Osiers,Nonconiferous Trees,Scrub	8
Natural Environment	Coniferous Trees,Coppice Or Osiers,Scrub	8
Natural Environment	Coniferous Trees,Heath	8
Natural Environment	Coniferous Trees,Heath,Nonconiferous Trees	8
Natural Environment	Coniferous Trees,Heath,Rough Grassland	8
Natural Environment	Coniferous Trees,Heath,Rough Grassland,Rock	8
Natural Environment	Coniferous Trees,Marsh Reeds Or Saltmarsh	8
Natural Environment	Coniferous Trees,Marsh Reeds Or Saltmarsh,Nonconiferous Trees	8
Natural Environment	Coniferous Trees,Marsh Reeds Or Saltmarsh,Scrub	8
Natural Environment	Coniferous Trees,Nonconiferous Trees	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Boulders (Scattered)	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Boulders (Scattered),Scrub	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Coppice Or Osiers	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Coppice Or Osiers,Scrub	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Rock	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Rock (Scattered)	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Rock (Scattered),Scrub	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Rough Grassland	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Rough Grassland,Rock	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Rough Grassland,Scrub	8
Natural Environment	Coniferous Trees,Nonconiferous Trees,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Rock (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Rock (Scattered),Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Rough Grassland,Coniferous Trees (Scattered)	8

DescGroup	DescTerm	NRW scores
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Rough Grassland,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders (Scattered),Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders,Heath,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Boulders,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Heath	8
Natural Environment	Nonconiferous Trees (Scattered),Heath,Rock	8
Natural Environment	Nonconiferous Trees (Scattered),Heath,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Heath,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Heath,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Marsh Reeds Or Saltmarsh	8
Natural Environment	Nonconiferous Trees (Scattered),Marsh Reeds Or Saltmarsh,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rock	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Boulders (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Coniferous Trees (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Heath	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Heath,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland	8

DescGroup	DescTerm	NRW scores
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rock (Scattered),Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rock,Heath	8
Natural Environment	Nonconiferous Trees (Scattered),Rock,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rock,Rough Grassland,Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Rock,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rock,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rock,Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Boulders (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Coniferous Trees (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Coniferous Trees (Scattered),Heath,Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Heath	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered),Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered),Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock,Heath	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Rock,Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Scrub	8

DescGroup	DescTerm	NRW scores
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Scrub,Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Scrub,Coniferous Trees (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Rough Grassland,Scrub,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Boulders	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Coniferous Trees (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Heath	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Marsh Reeds Or Saltmarsh	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Rock	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Rock (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Rock,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees (Scattered),Scrub,Rough Grassland,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Boulders	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Coniferous Trees,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Coppice Or Osiers,Scrub	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Rock (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Scrub,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Boulders (Scattered),Scrub,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Boulders,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Boulders,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Boulders,Scrub	8
Natural Environment	Nonconiferous Trees,Coniferous Trees	8

DescGroup	DescTerm	NRW scores
Natural Environment	Nonconiferous Trees,Coniferous Trees,Boulders	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Coppice Or Osiers,Scrub	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Scrub	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Scrub,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Scrub,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Coniferous Trees,Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Coniferous Trees,Scrub	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Scrub	8
Natural Environment	Nonconiferous Trees,Coppice Or Osiers,Scrub,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Heath	8
Natural Environment	Nonconiferous Trees,Heath,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Heath,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees,Heath,Scrub	8
Natural Environment	Nonconiferous Trees,Heath,Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Marsh Reeds Or Saltmarsh	8
Natural Environment	Nonconiferous Trees,Marsh Reeds Or Saltmarsh,Scrub	8
Natural Environment	Nonconiferous Trees,Marsh Reeds Or Saltmarsh,Scrub,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Nonconiferous Trees (Scattered)	8
Natural Environment	Nonconiferous Trees,Rock	8
Natural Environment	Nonconiferous Trees,Rock (Scattered)	8

DescGroup	DescTerm	NRW scores
Natural Environment	Nonconiferous Trees,Rock (Scattered),Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Boulders (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Scrub,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Rock (Scattered),Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Rock,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Rock,Scrub	8
Natural Environment	Nonconiferous Trees,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Coniferous Trees,Scrub	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Coppice Or Osiers,Scrub	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Heath	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Heath,Scrub	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Rock	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Rock (Scattered),Scrub	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Scrub	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Scrub,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Scrub,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Rough Grassland,Scrub,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Scrub	8
Natural Environment	Nonconiferous Trees,Scrub,Boulders	8
Natural Environment	Nonconiferous Trees,Scrub,Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Scrub,Boulders (Scattered),Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Scrub,Coniferous Trees	8

DescGroup	DescTerm	NRW scores
Natural Environment	Nonconiferous Trees,Scrub,Coniferous Trees,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Scrub,Coniferous Trees,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Scrub,Coniferous Trees,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Scrub,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Scrub,Coppice Or Osiers,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Scrub,Coppice Or Osiers,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Scrub,Heath	8
Natural Environment	Nonconiferous Trees,Scrub,Marsh Reeds Or Saltmarsh	8
Natural Environment	Nonconiferous Trees,Scrub,Rock	8
Natural Environment	Nonconiferous Trees,Scrub,Rock (Scattered)	8
Natural Environment	Nonconiferous Trees,Scrub,Rock (Scattered),Boulders (Scattered)	8
Natural Environment	Nonconiferous Trees,Scrub,Rock (Scattered),Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Scrub,Rock (Scattered),Rough Grassland	8
Natural Environment	Nonconiferous Trees,Scrub,Rough Grassland	8
Natural Environment	Nonconiferous Trees,Scrub,Rough Grassland,Coniferous Trees	8
Natural Environment	Nonconiferous Trees,Scrub,Rough Grassland,Coppice Or Osiers	8
Natural Environment	Nonconiferous Trees,Scrub,Rough Grassland,Rock (Scattered)	8
Natural Environment,General Surface	Coniferous Trees	8
Natural Environment,General Surface	Coniferous Trees,Nonconiferous Trees	8
Natural Environment,General Surface	Coniferous Trees,Nonconiferous Trees,Scrub	8
Natural Environment,General Surface	Coniferous Trees,Scrub	8
Natural Environment,General Surface	Nonconiferous Trees	8
Natural Environment,General Surface	Nonconiferous Trees,Coniferous Trees	8
Natural Environment,Historic Interest	Nonconiferous Trees	8
Natural Environment,Inland Water	Nonconiferous Trees	8
Natural Environment,Inland Water	Nonconiferous Trees,Scrub	8
Natural Environment,Inland Water	Rough Grassland	8
Natural Environment,Rail	Coniferous Trees	8
Natural Environment,Rail	Coniferous Trees (Scattered)	8
Natural Environment,Rail	Coniferous Trees (Scattered),Scrub	8
Natural Environment,Rail	Coniferous Trees,Nonconiferous Trees	8
Natural Environment,Rail	Coniferous Trees,Nonconiferous Trees,Rough Grassland	8

DescGroup	DescTerm	NRW scores
Natural Environment,Rail	Coniferous Trees,Nonconiferous Trees,Scrub	8
Natural Environment,Rail	Coniferous Trees,Scrub	8
Natural Environment,Rail	Coniferous Trees,Scrub,Nonconiferous Trees	8
Natural Environment,Rail	Nonconiferous Trees	8
Natural Environment,Rail	Nonconiferous Trees (Scattered)	8
Natural Environment,Rail	Nonconiferous Trees (Scattered),Rough Grassland	8
Natural Environment,Rail	Nonconiferous Trees (Scattered),Scrub	8
Natural Environment,Rail	Nonconiferous Trees,Coniferous Trees	8
Natural Environment,Rail	Nonconiferous Trees,Rough Grassland	8
Natural Environment,Rail	Nonconiferous Trees,Rough Grassland,Scrub	8
Natural Environment,Rail	Nonconiferous Trees,Scrub	8
Natural Environment,Rail	Nonconiferous Trees,Scrub,Rough Grassland	8
Natural Environment,Rail	Rough Grassland	8
Natural Environment,Rail	Rough Grassland,Coniferous Trees (Scattered)	8
Natural Environment,Rail	Rough Grassland,Nonconiferous Trees	8
Natural Environment,Rail	Rough Grassland,Nonconiferous Trees (Scattered)	8
Natural Environment,Rail	Rough Grassland,Scrub	8
Natural Environment,Rail	Rough Grassland,Scrub,Nonconiferous Trees	8
Natural Environment,Road Or Track	Boulders,Coniferous Trees	8
Natural Environment,Road Or Track	Coniferous Trees	8
Natural Environment,Road Or Track	Coniferous Trees (Scattered)	8
Natural Environment,Road Or Track	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	8
Natural Environment,Road Or Track	Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Scrub	8
Natural Environment,Road Or Track	Coniferous Trees (Scattered),Rough Grassland	8
Natural Environment,Road Or Track	Coniferous Trees (Scattered),Scrub	8
Natural Environment,Road Or Track	Coniferous Trees,Boulders (Scattered)	8
Natural Environment,Road Or Track	Coniferous Trees,Coppice Or Osiers	8
Natural Environment,Road Or Track	Coniferous Trees,Nonconiferous Trees	8
Natural Environment,Road Or Track	Coniferous Trees,Nonconiferous Trees,Rough Grassland	8
Natural Environment,Road Or Track	Coniferous Trees,Nonconiferous Trees,Rough Grassland,Scrub	8
Natural Environment,Road Or Track	Coniferous Trees,Nonconiferous Trees,Scrub	8
Natural Environment,Road Or Track	Coniferous Trees,Rough Grassland	8
Natural Environment,Road Or Track	Coniferous Trees,Scrub	8
Natural Environment,Road Or Track	Coniferous Trees,Scrub,Nonconiferous Trees	8
Natural Environment,Road Or Track	Nonconiferous Trees	8
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered)	8
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	8
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Coniferous Trees (Scattered),Scrub	8
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Scrub,Coniferous Trees (Scattered)	8
Natural Environment,Road Or Track	Nonconiferous Trees,Coniferous Trees	8
Natural Environment,Road Or Track	Nonconiferous Trees,Coniferous Trees,Scrub	8

DescGroup	DescTerm	NRW scores
Natural Environment,Road Or Track	Nonconiferous Trees,Scrub,Coniferous Trees	8
Natural Environment,Road Or Track	Rough Grassland,Coniferous Trees	8
Natural Environment,Road Or Track	Rough Grassland,Coniferous Trees (Scattered)	8
Natural Environment,Road Or Track	Rough Grassland,Coniferous Trees,Nonconiferous Trees	8
Natural Environment,Road Or Track	Rough Grassland,Coniferous Trees,Scrub	8
Natural Environment,Road Or Track	Rough Grassland,Nonconiferous Trees,Coniferous Trees	8
Natural Environment,Road Or Track	Rough Grassland,Nonconiferous Trees,Scrub,Coniferous Trees	8
Natural Environment,Road Or Track	Rough Grassland,Rock (Scattered)	8
Natural Environment,Road Or Track	Rough Grassland,Scrub,Coniferous Trees	8
Natural Environment,Road Or Track	Rough Grassland,Scrub,Coniferous Trees,Nonconiferous Trees	8
Natural Environment,Road Or Track	Scrub,Coniferous Trees	8
Natural Environment,Road Or Track	Scrub,Coniferous Trees (Scattered)	8
Natural Environment,Road Or Track	Scrub,Coniferous Trees,Nonconiferous Trees	8
Natural Environment,Road Or Track	Scrub,Coniferous Trees,Rough Grassland	8
Natural Environment,Road Or Track	Scrub,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	8
Natural Environment,Road Or Track	Scrub,Nonconiferous Trees,Coniferous Trees	8
Natural Environment,Road Or Track	Scrub,Rough Grassland,Coniferous Trees	8
Natural Environment,Structure	Nonconiferous Trees	8
Natural Environment,Structure	Nonconiferous Trees (Scattered),Rough Grassland	8
Natural Environment,Structure	Nonconiferous Trees,Scrub	8
Natural Environment	Boulders	6
Natural Environment	Boulders (Scattered)	6
Natural Environment	Boulders (Scattered),Coniferous Trees	6
Natural Environment	Boulders (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Coniferous Trees (Scattered),Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Coniferous Trees (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Coniferous Trees (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Boulders (Scattered),Coniferous Trees,Nonconiferous Trees,Scrub	6
Natural Environment	Boulders (Scattered),Coniferous Trees,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Heath	6
Natural Environment	Boulders (Scattered),Heath,Nonconiferous Trees (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Boulders (Scattered),Heath,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Heath,Rock	6
Natural Environment	Boulders (Scattered),Heath,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Heath,Rock (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Heath,Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Heath,Rock (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Heath,Rough Grassland	6
Natural Environment	Boulders (Scattered),Heath,Rough Grassland,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Heath,Rough Grassland,Coniferous Trees (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Heath,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Heath,Rough Grassland,Rock	6
Natural Environment	Boulders (Scattered),Heath,Rough Grassland,Scrub	6
Natural Environment	Boulders (Scattered),Heath,Scrub	6
Natural Environment	Boulders (Scattered),Heath,Scrub,Rough Grassland	6
Natural Environment	Boulders (Scattered),Marsh Reeds Or Saltmarsh	6
Natural Environment	Boulders (Scattered),Marsh Reeds Or Saltmarsh,Rough Grassland	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland,Scrub	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rock,Rough Grassland	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Rock	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Scrub	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees (Scattered),Scrub,Rough Grassland	6

DescGroup	DescTerm	NRW scores
Natural Environment	Boulders (Scattered),Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees,Rock (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees,Rough Grassland	6
Natural Environment	Boulders (Scattered),Nonconiferous Trees,Scrub	6
Natural Environment	Boulders (Scattered),Rock	6
Natural Environment	Boulders (Scattered),Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Heath	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Heath,Marsh Reeds Or Saltmarsh,Rough Grassland	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Heath,Rough Grassland	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Nonconiferous Trees,Scrub	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Rough Grassland,Heath	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Rough Grassland,Scrub	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Scrub,Heath	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Scrub,Rough Grassland	6
Natural Environment	Boulders (Scattered),Rock (Scattered),Scrub,Rough Grassland,Marsh Reeds Or Saltmarsh	6
Natural Environment	Boulders (Scattered),Rock,Heath	6
Natural Environment	Boulders (Scattered),Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rock,Rough Grassland	6
Natural Environment	Boulders (Scattered),Rock,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rock,Rough Grassland,Scrub	6

DescGroup	DescTerm	NRW scores
Natural Environment	Boulders (Scattered),Rock,Scrub,Rough Grassland	6
Natural Environment	Boulders (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Rough Grassland,Coniferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rough Grassland,Heath	6
Natural Environment	Boulders (Scattered),Rough Grassland,Heath,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Rough Grassland,Marsh Reeds Or Saltmarsh	6
Natural Environment	Boulders (Scattered),Rough Grassland,Nonconiferous Trees	6
Natural Environment	Boulders (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rough Grassland,Nonconiferous Trees (Scattered),Rock	6
Natural Environment	Boulders (Scattered),Rough Grassland,Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Rough Grassland,Rock	6
Natural Environment	Boulders (Scattered),Rough Grassland,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Rough Grassland,Rock (Scattered),Heath	6
Natural Environment	Boulders (Scattered),Rough Grassland,Rock (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Rough Grassland,Rock,Scrub	6
Natural Environment	Boulders (Scattered),Rough Grassland,Scrub	6
Natural Environment	Boulders (Scattered),Rough Grassland,Scrub,Heath	6
Natural Environment	Boulders (Scattered),Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Rough Grassland,Scrub,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Scrub	6
Natural Environment	Boulders (Scattered),Scrub,Heath	6
Natural Environment	Boulders (Scattered),Scrub,Heath,Rough Grassland	6
Natural Environment	Boulders (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment	Boulders (Scattered),Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Scrub,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment	Boulders (Scattered),Scrub,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Boulders (Scattered),Scrub,Rock	6
Natural Environment	Boulders (Scattered),Scrub,Rock (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Boulders (Scattered),Scrub,Rock (Scattered),Heath	6
Natural Environment	Boulders (Scattered),Scrub,Rock (Scattered),Rough Grassland	6
Natural Environment	Boulders (Scattered),Scrub,Rough Grassland	6
Natural Environment	Boulders (Scattered),Scrub,Rough Grassland,Heath	6
Natural Environment	Boulders (Scattered),Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders (Scattered),Scrub,Rough Grassland,Rock (Scattered)	6
Natural Environment	Boulders,Coniferous Trees	6
Natural Environment	Boulders,Coniferous Trees (Scattered)	6
Natural Environment	Boulders,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Boulders,Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Boulders,Coniferous Trees,Nonconiferous Trees,Scrub	6
Natural Environment	Boulders,Heath	6
Natural Environment	Boulders,Heath,Rock	6
Natural Environment	Boulders,Heath,Rock (Scattered)	6
Natural Environment	Boulders,Heath,Rock (Scattered),Rough Grassland	6
Natural Environment	Boulders,Heath,Rock,Rough Grassland	6
Natural Environment	Boulders,Heath,Rough Grassland	6
Natural Environment	Boulders,Heath,Rough Grassland,Rock	6
Natural Environment	Boulders,Heath,Rough Grassland,Rock (Scattered)	6
Natural Environment	Boulders,Marsh Reeds Or Saltmarsh	6
Natural Environment	Boulders,Marsh Reeds Or Saltmarsh,Rough Grassland	6
Natural Environment	Boulders,Nonconiferous Trees	6
Natural Environment	Boulders,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders,Nonconiferous Trees (Scattered),Rock,Rough Grassland	6
Natural Environment	Boulders,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Boulders,Nonconiferous Trees (Scattered),Rough Grassland,Rock	6
Natural Environment	Boulders,Nonconiferous Trees (Scattered),Rough Grassland,Scrub	6
Natural Environment	Boulders,Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Boulders,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Boulders,Nonconiferous Trees,Rock (Scattered),Scrub	6
Natural Environment	Boulders,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Boulders,Nonconiferous Trees,Scrub	6
Natural Environment	Boulders,Rock	6
Natural Environment	Boulders,Rock (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Boulders,Rock (Scattered),Coniferous Trees	6
Natural Environment	Boulders,Rock (Scattered),Heath	6
Natural Environment	Boulders,Rock (Scattered),Heath,Rough Grassland	6
Natural Environment	Boulders,Rock (Scattered),Rough Grassland	6
Natural Environment	Boulders,Rock (Scattered),Rough Grassland,Heath	6
Natural Environment	Boulders,Rock (Scattered),Scrub	6
Natural Environment	Boulders,Rock,Heath	6
Natural Environment	Boulders,Rock,Heath,Rough Grassland	6
Natural Environment	Boulders,Rock,Rough Grassland	6
Natural Environment	Boulders,Rock,Rough Grassland,Heath	6
Natural Environment	Boulders,Rock,Rough Grassland,Scrub	6
Natural Environment	Boulders,Rough Grassland	6
Natural Environment	Boulders,Rough Grassland,Coniferous Trees (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Heath	6
Natural Environment	Boulders,Rough Grassland,Heath,Rock	6
Natural Environment	Boulders,Rough Grassland,Heath,Rock (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Boulders,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Nonconiferous Trees (Scattered),Rock	6
Natural Environment	Boulders,Rough Grassland,Rock	6
Natural Environment	Boulders,Rough Grassland,Rock (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Rock,Heath	6
Natural Environment	Boulders,Rough Grassland,Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Rock,Scrub	6
Natural Environment	Boulders,Rough Grassland,Scrub	6
Natural Environment	Boulders,Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Boulders,Rough Grassland,Scrub,Nonconiferous Trees (Scattered),Rock	6
Natural Environment	Boulders,Scrub	6
Natural Environment	Boulders,Scrub,Coniferous Trees	6
Natural Environment	Boulders,Scrub,Nonconiferous Trees	6
Natural Environment	Boulders,Scrub,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Boulders,Scrub,Rough Grassland	6
Natural Environment	Boulders,Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Coniferous Trees,Nonconiferous Trees,Scrub,Boulders (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Coniferous Trees,Nonconiferous Trees,Scrub,Coppice Or Osiers	6
Natural Environment	Coniferous Trees,Nonconiferous Trees,Scrub,Rock (Scattered)	6
Natural Environment	Coniferous Trees,Nonconiferous Trees,Scrub,Rough Grassland	6
Natural Environment	Coniferous Trees,Rock	6
Natural Environment	Coniferous Trees,Rock (Scattered)	6
Natural Environment	Coniferous Trees,Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Rock (Scattered),Rough Grassland	6
Natural Environment	Coniferous Trees,Rock (Scattered),Scrub	6
Natural Environment	Coniferous Trees,Rock (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Rock,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Coniferous Trees,Rock,Scrub	6
Natural Environment	Coniferous Trees,Rough Grassland	6
Natural Environment	Coniferous Trees,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Rough Grassland,Nonconiferous Trees,Scrub	6
Natural Environment	Coniferous Trees,Rough Grassland,Rock (Scattered)	6
Natural Environment	Coniferous Trees,Rough Grassland,Scrub	6
Natural Environment	Coniferous Trees,Rough Grassland,Scrub,Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Scrub	6
Natural Environment	Coniferous Trees,Scrub,Coppice Or Osiers	6
Natural Environment	Coniferous Trees,Scrub,Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Scrub,Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Scrub,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment	Coniferous Trees,Scrub,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Coniferous Trees,Scrub,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Coniferous Trees,Scrub,Rock (Scattered)	6
Natural Environment	Coniferous Trees,Scrub,Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Coniferous Trees,Scrub,Rough Grassland	6
Natural Environment	Coniferous Trees,Scrub,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers	6
Natural Environment	Coppice Or Osiers,Boulders (Scattered)	6
Natural Environment	Coppice Or Osiers,Coniferous Trees	6
Natural Environment	Coppice Or Osiers,Coniferous Trees,Nonconiferous Trees	6

DescGroup	DescTerm	NRW scores
Natural Environment	Coppice Or Osiers,Coniferous Trees,Nonconiferous Trees,Scrub	6
Natural Environment	Coppice Or Osiers,Coniferous Trees,Scrub	6
Natural Environment	Coppice Or Osiers,Coniferous Trees,Scrub,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Coniferous Trees,Scrub	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Rough Grassland,Scrub	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Scrub	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Scrub,Coniferous Trees	6
Natural Environment	Coppice Or Osiers,Nonconiferous Trees,Scrub,Rough Grassland	6
Natural Environment	Coppice Or Osiers,Rough Grassland	6
Natural Environment	Coppice Or Osiers,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Rough Grassland,Nonconiferous Trees,Scrub	6
Natural Environment	Coppice Or Osiers,Rough Grassland,Scrub	6
Natural Environment	Coppice Or Osiers,Rough Grassland,Scrub,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Scrub	6
Natural Environment	Coppice Or Osiers,Scrub,Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Scrub,Coniferous Trees	6
Natural Environment	Coppice Or Osiers,Scrub,Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Scrub,Nonconiferous Trees	6
Natural Environment	Coppice Or Osiers,Scrub,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Coppice Or Osiers,Scrub,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Coppice Or Osiers,Scrub,Rough Grassland	6
Natural Environment	Coppice Or Osiers,Scrub,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Orchard	6
Natural Environment	Rock	6
Natural Environment	Rock (Scattered)	6
Natural Environment	Rock (Scattered),Boulders	6
Natural Environment	Rock (Scattered),Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Coniferous Trees	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rock (Scattered),Boulders (Scattered),Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Heath	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Heath,Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Rough Grassland,Coniferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Rough Grassland,Heath	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Rough Grassland,Heath,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Rough Grassland,Scrub	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Scrub	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Scrub,Heath,Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Boulders (Scattered),Scrub,Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders,Heath	6
Natural Environment	Rock (Scattered),Boulders,Heath,Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Boulders,Rough Grassland	6
Natural Environment	Rock (Scattered),Boulders,Rough Grassland,Heath	6
Natural Environment	Rock (Scattered),Boulders,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Coniferous Trees	6
Natural Environment	Rock (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Coniferous Trees (Scattered),Scrub	6
Natural Environment	Rock (Scattered),Coniferous Trees,Nonconiferous Trees	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rock (Scattered),Coniferous Trees,Nonconiferous Trees,Scrub	6
Natural Environment	Rock (Scattered),Coniferous Trees,Rough Grassland	6
Natural Environment	Rock (Scattered),Coniferous Trees,Scrub	6
Natural Environment	Rock (Scattered),Coniferous Trees,Scrub,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Heath	6
Natural Environment	Rock (Scattered),Heath,Boulders	6
Natural Environment	Rock (Scattered),Heath,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Heath,Boulders (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Heath,Boulders,Rough Grassland	6
Natural Environment	Rock (Scattered),Heath,Coniferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Heath,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Heath,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Heath,Nonconiferous Trees (Scattered),Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Heath,Rough Grassland	6
Natural Environment	Rock (Scattered),Heath,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Heath,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Heath,Rough Grassland,Scrub	6
Natural Environment	Rock (Scattered),Heath,Scrub	6
Natural Environment	Rock (Scattered),Heath,Scrub,Rough Grassland	6
Natural Environment	Rock (Scattered),Heath,Scrub,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Marsh Reeds Or Saltmarsh	6
Natural Environment	Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Boulders (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Heath	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Heath,Rough Grassland	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Heath	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Rough Grassland,Scrub	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Rock (Scattered),Nonconiferous Trees (Scattered),Scrub,Rough Grassland	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Coniferous Trees,Scrub	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Rough Grassland	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Rough Grassland,Scrub	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Scrub	6
Natural Environment	Rock (Scattered),Nonconiferous Trees,Scrub,Rough Grassland	6
Natural Environment	Rock (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Rough Grassland,Boulders	6
Natural Environment	Rock (Scattered),Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Boulders (Scattered),Scrub	6
Natural Environment	Rock (Scattered),Rough Grassland,Boulders (Scattered),Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Coniferous Trees	6
Natural Environment	Rock (Scattered),Rough Grassland,Heath	6
Natural Environment	Rock (Scattered),Rough Grassland,Heath,Boulders	6
Natural Environment	Rock (Scattered),Rough Grassland,Heath,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Marsh Reeds Or Saltmarsh	6
Natural Environment	Rock (Scattered),Rough Grassland,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Rock (Scattered),Rough Grassland,Nonconiferous Trees,Scrub	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rock (Scattered),Rough Grassland,Scrub	6
Natural Environment	Rock (Scattered),Rough Grassland,Scrub,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Rough Grassland,Scrub,Heath	6
Natural Environment	Rock (Scattered),Rough Grassland,Scrub,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Scrub	6
Natural Environment	Rock (Scattered),Scrub,Boulders	6
Natural Environment	Rock (Scattered),Scrub,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Scrub,Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Scrub,Coniferous Trees	6
Natural Environment	Rock (Scattered),Scrub,Coniferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Scrub,Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Scrub,Heath	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees (Scattered),Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Rock (Scattered),Scrub,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Rock (Scattered),Scrub,Rough Grassland	6
Natural Environment	Rock (Scattered),Scrub,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock (Scattered),Scrub,Rough Grassland,Heath	6
Natural Environment	Rock (Scattered),Scrub,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Rock (Scattered),Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock,Boulders	6
Natural Environment	Rock,Boulders (Scattered)	6
Natural Environment	Rock,Boulders (Scattered),Heath	6
Natural Environment	Rock,Boulders (Scattered),Heath,Rough Grassland	6
Natural Environment	Rock,Boulders (Scattered),Rough Grassland	6
Natural Environment	Rock,Boulders (Scattered),Rough Grassland,Heath	6
Natural Environment	Rock,Boulders (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rock,Boulders,Heath	6
Natural Environment	Rock,Boulders,Rough Grassland	6
Natural Environment	Rock,Boulders,Rough Grassland,Heath	6
Natural Environment	Rock,Coniferous Trees	6
Natural Environment	Rock,Coniferous Trees (Scattered)	6
Natural Environment	Rock,Heath	6
Natural Environment	Rock,Heath,Boulders	6
Natural Environment	Rock,Heath,Boulders (Scattered)	6
Natural Environment	Rock,Heath,Boulders (Scattered),Rough Grassland	6
Natural Environment	Rock,Heath,Rough Grassland	6
Natural Environment	Rock,Heath,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock,Heath,Scrub	6
Natural Environment	Rock,Heath,Scrub,Rough Grassland	6
Natural Environment	Rock,Nonconiferous Trees	6
Natural Environment	Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock,Nonconiferous Trees (Scattered),Boulders (Scattered),Rough Grassland	6
Natural Environment	Rock,Nonconiferous Trees (Scattered),Heath	6
Natural Environment	Rock,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Rock,Nonconiferous Trees (Scattered),Rough Grassland,Heath	6
Natural Environment	Rock,Nonconiferous Trees (Scattered),Scrub,Rough Grassland	6
Natural Environment	Rock,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Rock,Nonconiferous Trees,Scrub	6
Natural Environment	Rock,Rough Grassland	6
Natural Environment	Rock,Rough Grassland,Boulders	6
Natural Environment	Rock,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rock,Rough Grassland,Boulders,Scrub	6
Natural Environment	Rock,Rough Grassland,Coniferous Trees (Scattered)	6
Natural Environment	Rock,Rough Grassland,Heath	6
Natural Environment	Rock,Rough Grassland,Heath,Boulders	6
Natural Environment	Rock,Rough Grassland,Heath,Boulders (Scattered)	6
Natural Environment	Rock,Rough Grassland,Heath,Coniferous Trees	6
Natural Environment	Rock,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Rock,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock,Rough Grassland,Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Rock,Rough Grassland,Scrub	6
Natural Environment	Rock,Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock,Scrub	6
Natural Environment	Rock,Scrub,Boulders	6
Natural Environment	Rock,Scrub,Heath	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rock,Scrub,Nonconiferous Trees	6
Natural Environment	Rock,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rock,Scrub,Rough Grassland	6
Natural Environment	Rock,Scrub,Rough Grassland,Heath	6
Natural Environment	Rough Grassland,Boulders	6
Natural Environment	Rough Grassland,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Heath	6
Natural Environment	Rough Grassland,Boulders (Scattered),Heath,Rock	6
Natural Environment	Rough Grassland,Boulders (Scattered),Heath,Rock (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Heath,Scrub	6
Natural Environment	Rough Grassland,Boulders (Scattered),Marsh Reeds Or Saltmarsh	6
Natural Environment	Rough Grassland,Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Rough Grassland,Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Nonconiferous Trees (Scattered),Rock	6
Natural Environment	Rough Grassland,Boulders (Scattered),Nonconiferous Trees (Scattered),Rock (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock (Scattered),Heath	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock (Scattered),Scrub	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock,Heath	6
Natural Environment	Rough Grassland,Boulders (Scattered),Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Scrub	6
Natural Environment	Rough Grassland,Boulders (Scattered),Scrub,Heath	6
Natural Environment	Rough Grassland,Boulders (Scattered),Scrub,Nonconiferous Trees (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rough Grassland,Boulders (Scattered),Scrub,Rock (Scattered)	6
Natural Environment	Rough Grassland,Boulders (Scattered),Scrub,Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders,Heath	6
Natural Environment	Rough Grassland,Boulders,Heath,Rock	6
Natural Environment	Rough Grassland,Boulders,Heath,Rock (Scattered)	6
Natural Environment	Rough Grassland,Boulders,Marsh Reeds Or Saltmarsh	6
Natural Environment	Rough Grassland,Boulders,Nonconiferous Trees	6
Natural Environment	Rough Grassland,Boulders,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders,Rock	6
Natural Environment	Rough Grassland,Boulders,Rock (Scattered)	6
Natural Environment	Rough Grassland,Boulders,Rock (Scattered),Heath	6
Natural Environment	Rough Grassland,Boulders,Rock,Scrub	6
Natural Environment	Rough Grassland,Boulders,Scrub	6
Natural Environment	Rough Grassland,Boulders,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Boulders,Scrub,Rock	6
Natural Environment	Rough Grassland,Rock	6
Natural Environment	Rough Grassland,Rock (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Boulders	6
Natural Environment	Rough Grassland,Rock (Scattered),Boulders (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Boulders (Scattered),Heath	6
Natural Environment	Rough Grassland,Rock (Scattered),Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Boulders (Scattered),Scrub	6
Natural Environment	Rough Grassland,Rock (Scattered),Boulders,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Coniferous Trees	6
Natural Environment	Rough Grassland,Rock (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Heath	6
Natural Environment	Rough Grassland,Rock (Scattered),Heath,Boulders	6
Natural Environment	Rough Grassland,Rock (Scattered),Heath,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Heath,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Heath,Scrub	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rough Grassland,Rock (Scattered),Marsh Reeds Or Saltmarsh	6
Natural Environment	Rough Grassland,Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Rough Grassland,Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Nonconiferous Trees (Scattered),Heath	6
Natural Environment	Rough Grassland,Rock (Scattered),Nonconiferous Trees (Scattered),Scrub	6
Natural Environment	Rough Grassland,Rock (Scattered),Nonconiferous Trees,Scrub	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub,Coniferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub,Heath	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub,Marsh Reeds Or Saltmarsh	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment	Rough Grassland,Rock (Scattered),Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock,Boulders	6
Natural Environment	Rough Grassland,Rock,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Rock,Boulders (Scattered),Scrub	6
Natural Environment	Rough Grassland,Rock,Heath	6
Natural Environment	Rough Grassland,Rock,Heath,Boulders	6
Natural Environment	Rough Grassland,Rock,Heath,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Rock,Heath,Scrub	6
Natural Environment	Rough Grassland,Rock,Nonconiferous Trees	6
Natural Environment	Rough Grassland,Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Rock,Nonconiferous Trees (Scattered),Heath	6
Natural Environment	Rough Grassland,Rock,Scrub	6
Natural Environment	Rough Grassland,Rock,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scree	6
Natural Environment	Rough Grassland,Scrub	6
Natural Environment	Rough Grassland,Scrub,Boulders	6
Natural Environment	Rough Grassland,Scrub,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Boulders (Scattered),Heath,Rock (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Rough Grassland,Scrub,Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Boulders (Scattered),Rock (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Coniferous Trees	6
Natural Environment	Rough Grassland,Scrub,Coniferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Rough Grassland,Scrub,Coppice Or Osiers	6
Natural Environment	Rough Grassland,Scrub,Heath	6
Natural Environment	Rough Grassland,Scrub,Heath,Boulders (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Heath,Nonconiferous Trees	6
Natural Environment	Rough Grassland,Scrub,Heath,Rock (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Marsh Reeds Or Saltmarsh	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees (Scattered),Rock (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment	Rough Grassland,Scrub,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Rock	6
Natural Environment	Rough Grassland,Scrub,Rock (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Rock (Scattered),Boulders (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Rock (Scattered),Heath	6
Natural Environment	Rough Grassland,Scrub,Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Rough Grassland,Scrub,Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Rough Grassland,Scrub,Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Scree	6
Natural Environment	Scree,Rough Grassland	6
Natural Environment	Scrub	6
Natural Environment	Scrub,Boulders	6
Natural Environment	Scrub,Boulders (Scattered)	6
Natural Environment	Scrub,Boulders (Scattered),Coniferous Trees,Nonconiferous Trees	6

DescGroup	DescTerm	NRW scores
Natural Environment	Scrub,Boulders (Scattered),Heath	6
Natural Environment	Scrub,Boulders (Scattered),Heath,Rough Grassland	6
Natural Environment	Scrub,Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Scrub,Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Boulders (Scattered),Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Scrub,Boulders (Scattered),Rock (Scattered)	6
Natural Environment	Scrub,Boulders (Scattered),Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Scrub,Boulders (Scattered),Rock (Scattered),Rough Grassland	6
Natural Environment	Scrub,Boulders (Scattered),Rough Grassland	6
Natural Environment	Scrub,Boulders (Scattered),Rough Grassland,Heath	6
Natural Environment	Scrub,Boulders (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Boulders (Scattered),Rough Grassland,Rock (Scattered)	6
Natural Environment	Scrub,Boulders,Nonconiferous Trees	6
Natural Environment	Scrub,Boulders,Rock	6
Natural Environment	Scrub,Boulders,Rock (Scattered),Rough Grassland	6
Natural Environment	Scrub,Boulders,Rock,Rough Grassland	6
Natural Environment	Scrub,Boulders,Rough Grassland	6
Natural Environment	Scrub,Coniferous Trees	6
Natural Environment	Scrub,Coniferous Trees (Scattered)	6
Natural Environment	Scrub,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Coniferous Trees (Scattered),Rough Grassland	6
Natural Environment	Scrub,Coniferous Trees,Coppice Or Osiers	6
Natural Environment	Scrub,Coniferous Trees,Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment	Scrub,Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Scrub,Coniferous Trees,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment	Scrub,Coniferous Trees,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Scrub,Coniferous Trees,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Scrub,Coniferous Trees,Rock (Scattered)	6
Natural Environment	Scrub,Coniferous Trees,Rough Grassland	6
Natural Environment	Scrub,Coniferous Trees,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Scrub,Coppice Or Osiers	6
Natural Environment	Scrub,Coppice Or Osiers,Coniferous Trees	6
Natural Environment	Scrub,Coppice Or Osiers,Coniferous Trees,Nonconiferous Trees	6

DescGroup	DescTerm	NRW scores
Natural Environment	Scrub,Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment	Scrub,Coppice Or Osiers,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Scrub,Coppice Or Osiers,Rough Grassland	6
Natural Environment	Scrub,Coppice Or Osiers,Rough Grassland,Nonconiferous Trees	6
Natural Environment	Scrub,Heath	6
Natural Environment	Scrub,Heath,Boulders	6
Natural Environment	Scrub,Heath,Boulders (Scattered)	6
Natural Environment	Scrub,Heath,Boulders (Scattered),Rough Grassland	6
Natural Environment	Scrub,Heath,Nonconiferous Trees	6
Natural Environment	Scrub,Heath,Rock	6
Natural Environment	Scrub,Heath,Rock (Scattered)	6
Natural Environment	Scrub,Heath,Rock (Scattered),Rough Grassland	6
Natural Environment	Scrub,Heath,Rock,Rough Grassland	6
Natural Environment	Scrub,Heath,Rough Grassland	6
Natural Environment	Scrub,Heath,Rough Grassland,Boulders	6
Natural Environment	Scrub,Heath,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Scrub,Heath,Rough Grassland,Rock	6
Natural Environment	Scrub,Heath,Rough Grassland,Rock (Scattered)	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh,Nonconiferous Trees	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh,Rock (Scattered)	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh,Rough Grassland	6
Natural Environment	Scrub,Marsh Reeds Or Saltmarsh,Rough Grassland,Rock (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Boulders (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Coniferous Trees (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Heath,Boulders (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rock	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rock (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rock (Scattered),Rough Grassland	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rock,Rough Grassland	6

DescGroup	DescTerm	NRW scores
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rough Grassland,Coniferous Trees (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees (Scattered),Rough Grassland,Rock (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees,Boulders	6
Natural Environment	Scrub,Nonconiferous Trees,Boulders (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees,Boulders (Scattered),Coppice Or Osiers	6
Natural Environment	Scrub,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Scrub,Nonconiferous Trees,Coniferous Trees,Coppice Or Osiers	6
Natural Environment	Scrub,Nonconiferous Trees,Coniferous Trees,Rough Grassland	6
Natural Environment	Scrub,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment	Scrub,Nonconiferous Trees,Coppice Or Osiers,Rough Grassland	6
Natural Environment	Scrub,Nonconiferous Trees,Heath	6
Natural Environment	Scrub,Nonconiferous Trees,Marsh Reeds Or Saltmarsh	6
Natural Environment	Scrub,Nonconiferous Trees,Rock	6
Natural Environment	Scrub,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Scrub,Nonconiferous Trees,Rock (Scattered),Rough Grassland	6
Natural Environment	Scrub,Nonconiferous Trees,Rough Grassland	6
Natural Environment	Scrub,Nonconiferous Trees,Rough Grassland,Coniferous Trees	6
Natural Environment	Scrub,Nonconiferous Trees,Rough Grassland,Rock (Scattered)	6
Natural Environment	Scrub,Rock	6
Natural Environment	Scrub,Rock (Scattered)	6
Natural Environment	Scrub,Rock (Scattered),Boulders (Scattered)	6
Natural Environment	Scrub,Rock (Scattered),Boulders (Scattered),Nonconiferous Trees	6
Natural Environment	Scrub,Rock (Scattered),Boulders (Scattered),Rough Grassland	6
Natural Environment	Scrub,Rock (Scattered),Coniferous Trees	6
Natural Environment	Scrub,Rock (Scattered),Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rock (Scattered),Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Scrub,Rock (Scattered),Heath	6
Natural Environment	Scrub,Rock (Scattered),Heath,Rough Grassland	6
Natural Environment	Scrub,Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Scrub,Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rock (Scattered),Nonconiferous Trees,Boulders (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment	Scrub,Rock (Scattered),Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Scrub,Rock (Scattered),Nonconiferous Trees,Rough Grassland	6
Natural Environment	Scrub,Rock (Scattered),Rough Grassland	6
Natural Environment	Scrub,Rock (Scattered),Rough Grassland,Boulders (Scattered)	6
Natural Environment	Scrub,Rock (Scattered),Rough Grassland,Heath	6
Natural Environment	Scrub,Rock (Scattered),Rough Grassland,Nonconiferous Trees	6
Natural Environment	Scrub,Rock (Scattered),Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rock,Boulders	6
Natural Environment	Scrub,Rock,Heath	6
Natural Environment	Scrub,Rock,Nonconiferous Trees	6
Natural Environment	Scrub,Rock,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rock,Rough Grassland	6
Natural Environment	Scrub,Rock,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Scrub,Rock,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rough Grassland	6
Natural Environment	Scrub,Rough Grassland,Boulders	6
Natural Environment	Scrub,Rough Grassland,Boulders (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Boulders (Scattered),Heath	6
Natural Environment	Scrub,Rough Grassland,Boulders (Scattered),Rock (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Coniferous Trees	6
Natural Environment	Scrub,Rough Grassland,Coniferous Trees (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Coniferous Trees (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Coniferous Trees,Nonconiferous Trees	6
Natural Environment	Scrub,Rough Grassland,Coppice Or Osiers	6
Natural Environment	Scrub,Rough Grassland,Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment	Scrub,Rough Grassland,Heath	6
Natural Environment	Scrub,Rough Grassland,Heath,Boulders (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Heath,Nonconiferous Trees	6
Natural Environment	Scrub,Rough Grassland,Heath,Rock	6
Natural Environment	Scrub,Rough Grassland,Heath,Rock (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Marsh Reeds Or Saltmarsh	6
Natural Environment	Scrub,Rough Grassland,Marsh Reeds Or Saltmarsh,Rock (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Nonconiferous Trees	6

DescGroup	DescTerm	NRW scores
Natural Environment	Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Nonconiferous Trees (Scattered),Rock (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Nonconiferous Trees,Coniferous Trees	6
Natural Environment	Scrub,Rough Grassland,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment	Scrub,Rough Grassland,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Rock	6
Natural Environment	Scrub,Rough Grassland,Rock (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Rock (Scattered),Boulders (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Rock (Scattered),Nonconiferous Trees	6
Natural Environment	Scrub,Rough Grassland,Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment	Scrub,Rough Grassland,Rock,Nonconiferous Trees (Scattered)	6
Natural Environment,General Surface	Boulders	6
Natural Environment,General Surface	Nonconiferous Trees,Rough Grassland	6
Natural Environment,General Surface	Nonconiferous Trees,Scrub	6
Natural Environment,General Surface	Nonconiferous Trees,Scrub,Coniferous Trees	6
Natural Environment,General Surface	Orchard	6
Natural Environment,General Surface	Rough Grassland,Nonconiferous Trees	6
Natural Environment,General Surface	Rough Grassland,Scrub	6
Natural Environment,General Surface	Scrub	6
Natural Environment,General Surface	Scrub,Nonconiferous Trees	6
Natural Environment,General Surface	Scrub,Nonconiferous Trees,Coniferous Trees	6
Natural Environment,Inland Water	Scrub	6
Natural Environment,Rail	Boulders	6
Natural Environment,Rail	Boulders (Scattered),Rough Grassland	6
Natural Environment,Rail	Coppice Or Osiers	6
Natural Environment,Rail	Coppice Or Osiers,Rough Grassland	6
Natural Environment,Rail	Coppice Or Osiers,Scrub	6
Natural Environment,Rail	Rock	6
Natural Environment,Rail	Rock (Scattered)	6
Natural Environment,Rail	Rock (Scattered),Scrub,Rough Grassland,Nonconiferous Trees	6
Natural Environment,Rail	Scrub	6

DescGroup	DescTerm	NRW scores
Natural Environment,Rail	Scrub,Coniferous Trees (Scattered)	6
Natural Environment,Rail	Scrub,Marsh Reeds Or Saltmarsh	6
Natural Environment,Rail	Scrub,Nonconiferous Trees	6
Natural Environment,Rail	Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment,Rail	Scrub,Nonconiferous Trees,Coniferous Trees	6
Natural Environment,Rail	Scrub,Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment,Rail	Scrub,Nonconiferous Trees,Rough Grassland	6
Natural Environment,Rail	Scrub,Rock (Scattered)	6
Natural Environment,Rail	Scrub,Rock (Scattered),Nonconiferous Trees	6
Natural Environment,Rail	Scrub,Rough Grassland	6
Natural Environment,Rail	Scrub,Rough Grassland,Nonconiferous Trees	6
Natural Environment,Road Or Track	Boulders	6
Natural Environment,Road Or Track	Boulders (Scattered)	6
Natural Environment,Road Or Track	Boulders (Scattered),Nonconiferous Trees	6
Natural Environment,Road Or Track	Boulders (Scattered),Nonconiferous Trees,Rock (Scattered)	6
Natural Environment,Road Or Track	Boulders (Scattered),Rough Grassland	6
Natural Environment,Road Or Track	Boulders (Scattered),Rough Grassland,Scrub	6
Natural Environment,Road Or Track	Boulders (Scattered),Scrub	6
Natural Environment,Road Or Track	Boulders (Scattered),Scrub,Rough Grassland	6
Natural Environment,Road Or Track	Boulders,Nonconiferous Trees,Rock (Scattered)	6
Natural Environment,Road Or Track	Coppice Or Osiers	6
Natural Environment,Road Or Track	Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment,Road Or Track	Coppice Or Osiers,Nonconiferous Trees,Scrub	6
Natural Environment,Road Or Track	Coppice Or Osiers,Scrub	6
Natural Environment,Road Or Track	Coppice Or Osiers,Scrub,Nonconiferous Trees	6
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Rough Grassland,Scrub	6
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Scrub	6
Natural Environment,Road Or Track	Nonconiferous Trees (Scattered),Scrub,Rough Grassland	6
Natural Environment,Road Or Track	Nonconiferous Trees,Boulders (Scattered)	6
Natural Environment,Road Or Track	Nonconiferous Trees,Coppice Or Osiers	6
Natural Environment,Road Or Track	Nonconiferous Trees,Rock	6
Natural Environment,Road Or Track	Nonconiferous Trees,Rock (Scattered)	6
Natural Environment,Road Or Track	Nonconiferous Trees,Rock (Scattered),Rough Grassland	6
Natural Environment,Road Or Track	Nonconiferous Trees,Rough Grassland	6
Natural Environment,Road Or Track	Nonconiferous Trees,Rough Grassland,Scrub	6
Natural Environment,Road Or Track	Nonconiferous Trees,Scrub	6
Natural Environment,Road Or Track	Nonconiferous Trees,Scrub,Rough Grassland	6
Natural Environment,Road Or Track	Orchard	6
Natural Environment,Road Or Track	Rock (Scattered),Boulders (Scattered),Scrub,Rough Grassland	6
Natural Environment,Road Or Track	Rock (Scattered),Nonconiferous Trees	6
Natural Environment,Road Or Track	Rock (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment,Road Or Track	Rock (Scattered),Rough Grassland	6

DescGroup	DescTerm	NRW scores
Natural Environment,Road Or Track	Rock (Scattered),Rough Grassland,Scrub	6
Natural Environment,Road Or Track	Rock (Scattered),Scrub	6
Natural Environment,Road Or Track	Rock (Scattered),Scrub,Heath	6
Natural Environment,Road Or Track	Rock (Scattered),Scrub,Nonconiferous Trees	6
Natural Environment,Road Or Track	Rock (Scattered),Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment,Road Or Track	Rock,Rough Grassland	6
Natural Environment,Road Or Track	Rock,Rough Grassland,Scrub	6
Natural Environment,Road Or Track	Rock,Scrub	6
Natural Environment,Road Or Track	Rock,Scrub,Rough Grassland	6
Natural Environment,Road Or Track	Rough Grassland	6
Natural Environment,Road Or Track	Rough Grassland,Boulders	6
Natural Environment,Road Or Track	Rough Grassland,Boulders (Scattered)	6
Natural Environment,Road Or Track	Rough Grassland,Boulders (Scattered),Nonconiferous Trees (Scattered)	6
Natural Environment,Road Or Track	Rough Grassland,Boulders (Scattered),Rock (Scattered)	6
Natural Environment,Road Or Track	Rough Grassland,Nonconiferous Trees	6
Natural Environment,Road Or Track	Rough Grassland,Nonconiferous Trees (Scattered)	6
Natural Environment,Road Or Track	Rough Grassland,Nonconiferous Trees (Scattered),Scrub	6
Natural Environment,Road Or Track	Rough Grassland,Nonconiferous Trees,Scrub	6
Natural Environment,Road Or Track	Rough Grassland,Rock (Scattered),Nonconiferous Trees	6
Natural Environment,Road Or Track	Rough Grassland,Rock (Scattered),Scrub	6
Natural Environment,Road Or Track	Rough Grassland,Scrub	6
Natural Environment,Road Or Track	Rough Grassland,Scrub,Nonconiferous Trees	6
Natural Environment,Road Or Track	Rough Grassland,Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment,Road Or Track	Scrub	6
Natural Environment,Road Or Track	Scrub,Boulders (Scattered)	6
Natural Environment,Road Or Track	Scrub,Boulders (Scattered),Nonconiferous Trees	6
Natural Environment,Road Or Track	Scrub,Coppice Or Osiers	6
Natural Environment,Road Or Track	Scrub,Coppice Or Osiers,Nonconiferous Trees	6
Natural Environment,Road Or Track	Scrub,Marsh Reeds Or Saltmarsh,Rough Grassland	6
Natural Environment,Road Or Track	Scrub,Nonconiferous Trees	6
Natural Environment,Road Or Track	Scrub,Nonconiferous Trees (Scattered)	6
Natural Environment,Road Or Track	Scrub,Nonconiferous Trees (Scattered),Rough Grassland	6
Natural Environment,Road Or Track	Scrub,Nonconiferous Trees,Rough Grassland	6
Natural Environment,Road Or Track	Scrub,Rock (Scattered),Rough Grassland	6
Natural Environment,Road Or Track	Scrub,Rough Grassland	6
Natural Environment,Road Or Track	Scrub,Rough Grassland,Boulders (Scattered)	6
Natural Environment,Road Or Track	Scrub,Rough Grassland,Heath	6
Natural Environment,Road Or Track	Scrub,Rough Grassland,Nonconiferous Trees	6
Natural Environment,Road Or Track	Scrub,Rough Grassland,Nonconiferous Trees (Scattered)	6

DescGroup	DescTerm	NRW scores
Natural Environment,Structure	Heath,Rough Grassland	6
Natural Environment,Structure	Rough Grassland	6
Natural Environment,Structure	Rough Grassland,Scrub	6
Natural Environment,Tidal Water	Foreshore	6
Natural Environment,Tidal Water	Rough Grassland	6
Inland Water,Historic Interest	Null	4
Natural Environment,Road Or Track	Scrub,Rock	4
Natural Environment,Road Or Track	Scrub,Rock (Scattered)	4
Road Or Track	Track	4
Road Or Track,Rail	Track	4
Road Or Track,Structure	Track	4
Building	Null	0
Building	Archway	0
Building,Built Environment	Null	0
Building,Historic Interest	Null	0
Building,Inland Water	Null	0
Building,Path	Null	0
Building,Rail	Null	0
Building,Road Or Track	Null	0
Building,Structure	Null	0
Building,Tidal Water	Null	0
General Surface	Null	0
General Surface	Multi Surface	0
General Surface	Step	0
General Surface,General Feature	Null	0
General Surface,Historic Interest	Null	0
General Surface,Historic Interest	Multi Surface	0
General Surface,Inland Water	Step	0
General Surface,Path	Null	0
General Surface,Path	Step	0
General Surface,Rail	Null	0
General Surface,Rail	Step	0
General Surface,Road Or Track	Null	0
General Surface,Road Or Track	Multi Surface	0
General Surface,Structure	Null	0
General Surface,Structure	Step	0
Glasshouse	Null	0
Historic Interest,Landform	Slope	0
Inland Water,General Feature	Null	0
Inland Water,General Surface	Null	0
Inland Water,Path	Null	0
Inland Water,Road Or Track	Null	0
Inland Water,Road Or Track	Null	0
Inland Water,Structure	Null	0
Inland Water,Structure	Null	0
Landform,General Surface	Slope	0
Landform,Historic Interest	Slope	0
Landform,Inland Water	Slope	0
Landform,Inland Water,Road Or Track	Slope	0

DescGroup	DescTerm	NRW scores
Landform,Path	Slope	0
Landform,Rail	Slope	0
Landform,Structure	Slope	0
Landform,Tidal Water	Slope	0
Natural Environment	Rough Grassland,Coniferous Trees	0
Path	Null	0
Path	Step	0
Path,General Surface	Null	0
Path,Rail	Null	0
Path,Rail	Step	0
Path,Structure	Null	0
Path,Structure	Step	0
Path,Tidal Water	Step	0
Rail	Null	0
Rail,General Surface	Null	0
Rail,Path	Null	0
Rail,Road Or Track	Null	0
Rail,Road Or Track	Null	0
Rail,Structure	Null	0
Road Or Track	Null	0
Road Or Track	Traffic Calming	0
Road Or Track,General Feature	Null	0
Road Or Track,General Surface	Null	0
Road Or Track,Rail	Null	0
Road Or Track,Structure	Null	0
Road Or Track,Tidal Water	Null	0
Roadside	Null	0
Roadside,General Feature	Null	0
Roadside,Rail	Null	0
Roadside,Road Or Track	Null	0
Roadside,Structure	Null	0
Structure	Null	0
Structure	Overhead Construction	0
Structure	Pylon	0
Structure	Upper Level Of Communication	0
Structure,General Surface	Null	0
Structure,Historic Interest	Null	0
Structure,Inland Water	Null	0
Structure,Path	Null	0
Structure,Rail	Null	0
Structure,Road Or Track	Null	0
Structure,Tidal Water	Null	0
Structure,Tidal Water	Foreshore	0
Tidal Water,Path	Null	0
Tidal Water,Road Or Track	Null	0
Tidal Water,Road Or Track	Foreshore	0
Unclassified	Null	0

Appendix 4 Full Results of NRW Operational Areas Analysis

Percentage of NRW Operational Area in each category

Name	1	2	3	4	5	6	7	8	9	10
Mid Wales	0.00%	0.00%	0.00%	0.00%	0.04%	0.31%	7.45%	62.81%	28.90%	0.49%
North East Wales	0.00%	0.00%	0.14%	0.46%	1.55%	5.47%	20.80%	55.12%	16.40%	0.06%
North West Wales	0.00%	0.00%	0.00%	0.03%	0.21%	1.19%	9.09%	48.37%	40.39%	0.72%
South East Wales	0.00%	0.00%	0.04%	0.38%	2.13%	7.43%	22.71%	55.04%	12.27%	0.00%
South Wales Central	0.00%	0.05%	0.52%	1.38%	4.79%	17.62%	38.66%	32.75%	4.22%	0.01%
South West Wales	0.00%	0.00%	0.09%	0.32%	0.82%	3.27%	19.26%	57.60%	18.52%	0.12%

Area (km2) of NRW Operational Area in each category

Name	1	2	3	4	5	6	7	8	9	10
Mid Wales	0.00	0.00	0.00	0.11	2.60	21.84	521.57	4,397.18	2,023.57	34.25
North East Wales	0.00	0.02	2.52	8.52	28.59	100.55	382.45	1,013.35	301.47	1.05
North West Wales	0.00	0.00	0.14	1.17	9.55	53.79	411.24	2,187.78	1,827.05	32.62
South East Wales	0.00	0.01	0.72	6.12	34.39	119.99	366.93	889.41	198.29	0.03
South Wales Central	0.00	0.69	6.69	17.63	61.33	225.53	494.87	419.24	53.96	0.07
South West Wales	0.00	0.20	4.24	15.96	40.85	162.17	955.26	2,857.49	918.64	5.79

Appendix 5 Full Results of Designated Landscapes Analysis

Percentage of National Parks in each category

Name	1	2	3	4	5	6	7	8	9	10
Arfordir Sir Benfro - Pembrokeshire Coast	0.00%	0.00%	0.00%	0.00%	0.06%	0.39%	7.49%	49.68%	42.36%	0.02%
Bannau Brycheiniog - Brecon Beacons	0.00%	0.00%	0.00%	0.00%	0.00%	0.12%	4.51%	51.16%	44.03%	0.18%
Eryri - Snowdonia	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	2.63%	41.12%	54.75%	1.47%

Area (km^2) of National Parks in each category

Name	1	2	3	4	5	6	7	8	9	10
Arfordir Sir Benfro - Pembrokeshire Coast	0.00	0.00	0.00	0.02	0.38	2.40	45.65	302.96	258.29	0.12
Bannau Brycheiniog - Brecon Beacons	0.00	0.00	0.00	0.00	0.02	1.61	60.85	690.83	594.51	2.42

Name	1	2	3	4	5	6	7	8	9	10
Eryri - Snowdonia	0.00	0.00	0.00	0.00	0.00	0.74	56.16	879.69	1,171.30	31.44

Percentage of AONBs in each category

Name	1	2	3	4	5	6	7	8	9	10
Bryniau Clwyd A Dyffryn Dyfrdwy – Clwydian Range And Dee Valley	0.00%	0.00%	0.00%	0.00%	0.00%	0.14%	8.51%	69.13%	22.22%	0.00%
Dyffryn Gŵy - Wye Valley	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.98%	59.51%	36.50%	0.00%
Gŵyr - Gower	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	2.29%	39.46%	56.28%	1.90%
Llŷn	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.56%	32.01%	66.41%	0.02%
Ynys Môn - Anglesey	0.00%	0.00%	0.00%	0.00%	0.14%	1.21%	9.93%	56.78%	31.88%	0.05%

Area (km2) of AONBs in each category

Name	1	2	3	4	5	6	7	8	9	10
Bryniau Clwyd A Dyffryn Dyfrdwy - Clwydian Range And Dee Valley	0.00	0.00	0.00	0.00	0.00	0.53	33.14	269.13	86.50	0.00
Dyffryn Gŵy - Wye Valley	0.00	0.00	0.00	0.00	0.00	0.00	4.67	69.76	42.79	0.00
Gŵyr - Gower	0.00	0.00	0.00	0.00	0.00	0.15	4.26	73.53	104.88	3.54
Llŷn	0.00	0.00	0.00	0.00	0.00	0.01	2.50	51.12	106.08	0.03
Ynys Môn - Anglesey	0.00	0.00	0.00	0.00	0.31	2.66	21.80	124.61	69.96	0.11

Appendix 6 Full Results of National Landscape Character Areas Analysis

Percentage of National Landscape Character Areas in each category

Name	1	2	3	4	5	6	7	8	9	10
Aber Afonydd Taf, Tywi a Gwendraeth/Taf, Tywi and Gwendraeth Estuaries	0%	0%	0%	0%	0%	0%	15%	65%	20%	0%
Arfon	0%	0%	0%	0%	1%	4%	18%	58%	19%	0%
Arfordir Ceredigion/Ceredigion Coast	0%	0%	0%	0%	0%	0%	10%	64%	27%	0%
Arfordir Colwyn ayr Gogledd/Colwyn and Northern Coastline	0%	0%	0%	0%	4%	17%	34%	37%	7%	0%
Arfordir De Sir Benfro/South Pembrokeshire Coast	0%	0%	0%	0%	0%	1%	22%	57%	20%	0%
Arfordir Gorllewin a Gogledd Sir Benfro/West and North Pembrokeshire Coast	0%	0%	0%	0%	0%	0%	7%	58%	34%	0%
Arfordir Môn - Anglesey Coast	0%	0%	0%	0%	0%	2%	15%	59%	23%	0%
Bae Abertawe/Swansea Bay	0%	0%	1%	5%	10%	29%	39%	14%	1%	0%

Name	1	2	3	4	5	6	7	8	9	10
Bae Tremadog/Tremadoc Bay	0%	0%	0%	0%	0%	1%	18%	46%	35%	0%
Bannau Brycheiniog ayr Mynyddoedd Du/Brecon Beacons and the Black Mountains	0%	0%	0%	0%	0%	0%	4%	48%	47%	0%
Bro Morgannwg/Vale of Glamorgan	0%	0%	0%	1%	3%	14%	43%	35%	2%	0%
Bryniau a Dyffrynnoedd Trefaldwyn/Montgomeryshire Hills and Vales	0%	0%	0%	0%	0%	0%	8%	77%	14%	0%
Bryniau Clwyd/Clwydian Range	0%	0%	0%	0%	0%	0%	15%	67%	17%	0%
Bryniau Maesyfed/Radnorshire Hills	0%	0%	0%	0%	0%	0%	7%	71%	21%	0%
Bryniau Preseli/Preseli Hills	0%	0%	0%	0%	0%	0%	4%	45%	51%	0%
Bryniau Rhos/Rhos Hills	0%	0%	0%	0%	0%	0%	10%	65%	24%	0%
Bryniau Sir Amwythig (rhan)/Shropshire Hills (part)	0%	0%	0%	0%	0%	0%	18%	64%	18%	0%
Canolbarth Men/Central Anglesey	0%	0%	0%	0%	0%	1%	28%	60%	10%	0%

Name	1	2	3	4	5	6	7	8	9	10
Canolbarth Mynwy/Central Monmouthshire	0%	0%	0%	0%	0%	1%	12%	76%	11%	0%
Casnewydd, Caerdydd ayr Barri/Newport, Cardiff and Barry	0%	0%	2%	5%	14%	30%	35%	14%	0%	0%
Ceredigion	0%	0%	0%	0%	0%	0%	12%	72%	16%	0%
Dyffryn Clwyd/Vale of Clwyd	0%	0%	0%	0%	0%	2%	13%	78%	7%	0%
Dyffryn Conwy/Conway Valley	0%	0%	0%	0%	1%	2%	12%	62%	24%	0%
Dyffryn Dyfrdwy a Llangollen/Llangollen and the Vale of Dee	0%	0%	0%	0%	0%	0%	10%	63%	26%	0%
Dyffryn Gwy a Choed Gwent/Wye Valley and Wentwood	0%	0%	0%	0%	0%	1%	8%	61%	31%	0%
Dyffryn Hafren/Severn Valley	0%	0%	0%	0%	0%	4%	29%	64%	3%	0%
Dyffryn Tefi/Teifi Valley	0%	0%	0%	0%	0%	0%	13%	75%	12%	0%
Dyffryn Tywi/Tywi Valley	0%	0%	0%	0%	1%	3%	21%	60%	16%	0%

Name	1	2	3	4	5	6	7	8	9	10
Dyffrynnoedd a Bryniau Rheidol ac Ystwyth/Rheidol and Ystwyth Hills and Valleys	0%	0%	0%	0%	1%	2%	11%	60%	26%	0%
Dyffrynnoedd Gwendraeth/Gwendraeth Vales	0%	0%	0%	0%	0%	1%	19%	63%	17%	0%
Dyffrynnoedd Gwy a Gwysg/Wye and Usk Vales	0%	0%	0%	0%	0%	0%	6%	72%	22%	0%
Dyffrynnoedd Taf ayr Cleddau/Taf and Cleddau Vales	0%	0%	0%	0%	0%	2%	32%	59%	6%	0%
Dyffrynnoedd y De/South Wales Valleys	0%	0%	0%	0%	2%	12%	36%	45%	5%	0%
Eryri/Snowdonia	0%	0%	0%	0%	0%	0%	3%	41%	55%	1%
Ffynhonnau Durol Canolbarth Cymru/The Spas and Wells of Central Wales	0%	0%	0%	0%	0%	1%	18%	75%	5%	0%
Glannau Aberdyfi/Aberdovey Coast	0%	0%	0%	0%	0%	1%	13%	68%	18%	0%
Glannau Dyfrdwy a Wrecsam/Deeside and Wrexham	0%	0%	1%	2%	6%	19%	41%	28%	2%	0%

Name	1	2	3	4	5	6	7	8	9	10
Gwastadeddau Gwent/Gwent Levels	0%	0%	0%	3%	8%	14%	39%	35%	1%	0%
Gŵyr/Gower	0%	0%	0%	0%	0%	0%	7%	36%	55%	2%
Hafan Milffwrdd/Milford Haven	0%	0%	0%	1%	3%	14%	31%	37%	14%	0%
Llŷn	0%	0%	0%	0%	0%	0%	1%	32%	67%	0%
Lwyfandir a Dyffrynnoedd Epynt/Epynt Plateau and Valleys	0%	0%	0%	0%	0%	0%	3%	76%	20%	0%
Maelor Saesneg/Maelor	0%	0%	0%	0%	0%	3%	35%	59%	3%	0%
Mynydd Hiraethog/Denbigh Moors	0%	0%	0%	0%	0%	0%	4%	67%	29%	0%
Pen Uchaf Dyffryn Gwy/Upper Wye Valley	0%	0%	0%	0%	0%	0%	7%	76%	18%	0%
Troedfryniau Penfro a Chaerfyrddin/Pembroke and Carmarthen Foothills	0%	0%	0%	0%	0%	0%	11%	77%	12%	0%
Uwchdiroedd Cymru/Cambrian Mountains	0%	0%	0%	0%	0%	0%	3%	56%	39%	1%

Name	1	2	3	4	5	6	7	8	9	10
Y Berwyn/Berwyn	0%	0%	0%	0%	0%	0%	2%	38%	59%	1%

Area (km2) of National Landscape Character Areas in each category

Name	1	2	3	4	5	6	7	8	9	10
Aber Afonydd Taf, Tywi a Gwendraeth/Taf, Tywi and Gwendraeth Estuaries	0.00	0.00	0.00	0.00	0.00	0.43	19.61	86.86	27.54	0.01
Arfon	0.00	0.00	0.00	0.08	2.07	10.59	45.39	142.13	46.34	0.00
Arfordir Ceredigion/Ceredigion Coast	0.00	0.00	0.00	0.00	0.00	0.15	20.09	130.24	54.32	0.00
Arfordir Colwyn ayr Gogledd/Colwyn and Northern Coastline	0.00	0.00	0.00	0.46	6.76	27.77	57.62	62.52	12.20	0.00
Arfordir De Sir Benfro/South Pembrokeshire Coast	0.00	0.00	0.00	0.00	0.01	1.51	25.51	66.89	23.22	0.01
Arfordir Gorllewin a Gogledd Sir Benfro/West and North Pembrokeshire Coast	0.00	0.00	0.00	0.00	0.00	0.58	20.16	160.66	95.05	0.00
Arfordir Môn/Anglesey Coast	0.00	0.00	0.14	0.56	1.31	6.79	55.77	215.11	83.22	0.08

Name	1	2	3	4	5	6	7	8	9	10
Bae Abertawe/Swansea Bay	0.00	0.20	4.17	14.17	30.89	86.13	118.48	43.10	2.96	0.00
Bae Tremadog/Tremadoc Bay	0.00	0.00	0.00	0.00	0.05	3.09	44.88	116.16	86.86	0.02
Bannau Brycheiniog ayr Mynyddoedd Du/Brecon Beacons and the Black Mountains	0.00	0.00	0.00	0.00	0.01	1.27	41.96	517.89	509.42	2.42
Bro Morgannwg/Vale of Glamorgan	0.00	0.16	1.49	4.36	13.63	57.93	172.89	141.70	8.85	0.00
Bryniau a Dyffrynnoedd Trefaldwyn/Montgomeryshire Hills and Vales	0.00	0.00	0.00	0.00	0.00	0.81	46.65	430.13	77.99	0.00
Bryniau Clwyd/Clwydian Range	0.00	0.00	0.00	0.00	0.01	1.29	66.90	300.14	76.76	0.00
Bryniau Maesyfed/Radnorshire Hills	0.00	0.00	0.00	0.00	0.01	1.17	82.50	781.96	234.95	0.00
Bryniau Preseli/Preseli Hills	0.00	0.00	0.00	0.00	0.00	0.11	9.27	109.26	124.66	0.13
Bryniau Rhos/Rhos Hills	0.00	0.00	0.00	0.00	0.00	0.73	33.68	208.98	78.74	0.13
Bryniau Sir Amwythig (rhan)/Shropshire Hills (part)	0.00	0.00	0.00	0.00	0.00	0.32	19.62	69.35	19.58	0.00

Name	1	2	3	4	5	6	7	8	9	10
Canolbarth Men/Central Anglesey	0.00	0.00	0.00	0.00	0.05	5.11	97.90	210.87	34.98	0.00
Canolbarth Mynwy/Central Monmouthshire	0.00	0.00	0.00	0.00	0.04	5.29	56.99	363.50	52.65	0.00
Casnewydd, Caerdydd ayr Barri/Newport, Cardiff and Barry	0.00	0.53	5.41	14.30	36.81	79.47	92.74	37.17	0.56	0.00
Ceredigion	0.00	0.00	0.00	0.00	0.00	0.45	63.73	370.47	83.32	0.03
Dyffryn Clwyd/Vale of Clwyd	0.00	0.00	0.00	0.00	0.04	2.50	20.26	117.96	10.85	0.00
Dyffryn Conwy/Conway Valley	0.00	0.00	0.00	0.01	0.53	2.20	10.25	54.31	20.70	0.02
Dyffryn Dyfrdwy a Llangollen/Llangollen and the Vale of Dee	0.00	0.00	0.00	0.00	0.00	0.46	11.45	73.20	30.29	0.00
Dyffryn Gwy a Choed Gwent/Wye Valley and Wentwood	0.00	0.00	0.00	0.01	0.14	1.54	18.22	141.59	70.97	0.02
Dyffryn Hafren/Severn Valley	0.00	0.00	0.00	0.00	0.46	9.01	58.27	131.09	5.37	0.00
Dyffryn Tefi/Teifi Valley	0.00	0.00	0.00	0.00	0.01	0.39	48.84	278.04	44.25	0.00

Name	1	2	3	4	5	6	7	8	9	10
Dyffryn Tywi/Tywi Valley	0.00	0.00	0.00	0.11	1.32	6.25	51.50	146.48	38.83	0.00
Dyffrynnoedd a Bryniau Rheidol ac Ystwyth/Rheidol and Ystwyth Hills and Valleys	0.00	0.00	0.00	0.10	2.05	4.83	29.43	154.41	67.13	0.28
Dyffrynnoedd Gwendraeth/Gwendraeth Vales	0.00	0.00	0.00	0.00	0.33	5.65	84.07	278.55	74.39	0.01
Dyffrynnoedd Gwy a Gwysg/Wye and Usk Vales	0.00	0.00	0.00	0.00	0.00	0.27	16.08	188.21	57.88	0.00
Dyffrynnoedd Taf ayr Cleddau/Taf and Cleddau Vales	0.00	0.00	0.00	0.01	0.91	19.20	301.32	548.30	60.41	0.00
Dyffrynnoedd y De/South Wales Valleys	0.00	0.00	0.00	0.44	32.15	182.14	566.74	711.28	82.80	0.03
Eryri/Snowdonia	0.00	0.00	0.00	0.00	0.08	2.99	55.13	883.89	1181.06	31.52
Ffynhonnau Durol Canolbarth Cymru/The Spas and Wells of Central Wales	0.00	0.00	0.00	0.00	0.04	2.75	48.04	197.48	14.22	0.00
Glannau Aberdyfi/Aberdovey Coast	0.00	0.00	0.00	0.00	0.00	0.93	13.97	70.91	19.20	0.00

Name	1	2	3	4	5	6	7	8	9	10
Glannau Dyfrdwy a Wrecsam/Deeside and Wrexham	0.00	0.02	2.52	8.50	26.77	81.22	171.30	118.49	7.95	0.02
Gwastadeddau Gwent/Gwent Levels	0.00	0.01	0.46	4.23	10.43	18.31	51.75	46.70	0.98	0.00
Gwŷr/Gower	0.00	0.00	0.00	0.00	0.00	0.36	11.58	62.98	97.62	3.37
Hafan Milffwrdd/Milford Haven	0.00	0.00	0.05	1.50	6.51	32.53	71.01	83.70	32.09	0.00
Llŷn	0.00	0.00	0.00	0.00	0.00	0.01	3.01	76.43	159.15	0.03
Lwyfandir a Dyffrynnoedd Epynt/Epynt Plateau and Valleys	0.00	0.00	0.00	0.00	0.00	0.03	12.53	309.20	82.95	0.00
Maelor Saesneg/Maelor	0.00	0.00	0.00	0.00	0.06	4.58	61.95	103.47	5.74	0.00
Mynydd Hiraethog/Denbigh Moors	0.00	0.00	0.00	0.00	0.00	0.02	17.70	293.17	124.74	1.83
Pen Uchaf Dyffryn Gwy/Upper Wye Valley	0.00	0.00	0.00	0.00	0.00	0.01	4.46	51.64	12.07	0.04
Troedfryniau Penfro a Chaerfyrddin/Pembroke and Carmarthen Foothills	0.00	0.00	0.00	0.00	0.00	0.78	66.34	484.54	78.38	0.27

Name	1	2	3	4	5	6	7	8	9	10
Uwchdiroedd Cymru/Cambrian Mountains	0.00	0.00	0.00	0.00	0.00	0.56	65.85	1,099.97	773.83	27.45
Y Berwyn/Berwyn	0.00	0.00	0.00	0.00	0.00	0.14	10.82	218.95	336.21	5.65

Appendix 7 Full Results of Local Authority Areas Analysis

Percentage of Local Authority Areas in each category

Name	1	2	3	4	5	6	7	8	9	10
Abertawe - Swansea	0%	0%	1%	2%	4%	11%	20%	34%	28%	1%
Blaenau Gwent - Blaenau Gwent	0%	0%	0%	0%	1%	12%	42%	42%	3%	0%
Bro Morgannwg - the Vale of Glamorgan	0%	0%	0%	1%	3%	11%	42%	40%	3%	0%
Caerdydd - Cardiff	0%	0%	3%	7%	15%	30%	35%	9%	0%	0%
Caerffili - Caerphilly	0%	0%	0%	0%	4%	19%	41%	35%	2%	0%
Casnewydd - Newport	0%	0%	0%	2%	8%	14%	31%	37%	7%	0%
Castell-nedd Port Talbot - Neath Port Talbot	0%	0%	0%	1%	3%	8%	32%	49%	6%	0%
Conwy - Conwy	0%	0%	0%	0%	1%	2%	9%	50%	36%	1%

Name	1	2	3	4	5	6	7	8	9	10
Gwynedd - Gwynedd	0%	0%	0%	0%	0%	1%	6%	44%	49%	1%
Merthyr Tudful - Merthyr Tydfil	0%	0%	0%	0%	5%	21%	41%	26%	7%	0%
Pen-y-bont ar Ogwr - Bridgend	0%	0%	1%	1%	4%	17%	35%	37%	6%	0%
Powys - Powys	0%	0%	0%	0%	0%	0%	7%	64%	28%	0%
Rhondda Cynon Taf - Rhondda Cynon Taf	0%	0%	0%	0%	4%	18%	39%	34%	5%	0%
Sir Benfro - Pembrokeshire	0%	0%	0%	0%	0%	3%	21%	54%	21%	0%
Sir Ceredigion - Ceredigion	0%	0%	0%	0%	0%	0%	8%	59%	31%	1%
Sir Ddinbych - Denbighshire	0%	0%	0%	0%	0%	1%	11%	65%	23%	0%
Sir Fynwy - Monmouthshire	0%	0%	0%	0%	0%	1%	12%	68%	19%	0%
Sir Gaerfyrddin - Carmarthenshire	0%	0%	0%	0%	0%	1%	16%	65%	17%	0%
Sir y Fflint - Flintshire	0%	0%	0%	1%	3%	11%	31%	47%	6%	0%
Sir Ynys Mon - Isle of Anglesey	0%	0%	0%	0%	0%	2%	21%	59%	18%	0%
Tor-faen - Torfaen	0%	0%	0%	0%	2%	13%	29%	50%	6%	0%

Name	1	2	3	4	5	6	7	8	9	10
Wrecsam - Wrexham	0%	0%	0%	1%	2%	7%	28%	47%	16%	0%

Area (km2) of Local Authority Areas in each category

Name	1	2	3	4	5	6	7	8	9	10
Abertawe - Swansea	0.00	0.20	2.31	6.47	14.80	44.99	84.42	144.53	119.54	3.54
Blaenau Gwent - Blaenau Gwent	0.00	0.00	0.00	0.00	1.47	12.67	46.01	45.19	3.37	0.00
Bro Morgannwg - the Vale of Glamorgan	0.00	0.04	0.80	2.62	8.64	38.50	141.72	136.40	11.01	0.05
Caerdydd - Cardiff	0.00	0.49	4.48	11.18	22.35	45.34	52.26	13.31	0.03	0.00
Caerffili - Caerphilly	0.00	0.00	0.00	0.13	11.47	52.05	112.42	96.76	4.56	0.00
Casnewydd - Newport	0.00	0.01	0.65	5.40	17.46	30.17	68.16	81.45	14.17	0.00
Castell-nedd Port Talbot - Neath Port Talbot	0.00	0.01	1.69	6.72	14.25	35.74	144.11	223.65	25.73	0.01
Conwy - Conwy	0.00	0.00	0.00	0.45	5.85	25.43	105.72	581.80	419.84	14.24

Name	1	2	3	4	5	6	7	8	9	10
Gwynedd - Gwynedd	0.00	0.00	0.00	0.08	2.27	16.22	148.94	1,163.13	1,274.03	18.26
Merthyr Tudful - Merthyr Tydfil	0.00	0.00	0.00	0.17	5.28	23.07	45.88	29.25	8.31	0.01
Pen-y-bont ar Ogwr - Bridgend	0.00	0.16	1.42	3.36	9.89	42.82	88.62	94.56	14.28	0.02
Powys - Powys	0.00	0.00	0.00	0.00	0.51	16.05	374.83	3,327.07	1,459.38	17.63
Rhondda Cynon Taf - Rhondda Cynon Taf	0.00	0.00	0.00	0.29	15.17	75.81	166.49	145.86	20.52	0.00
Sir Benfro - Pembrokeshire	0.00	0.00	0.05	1.51	7.26	47.23	345.61	894.54	354.86	0.13
Sir Ceredigion - Ceredigion	0.00	0.00	0.00	0.11	2.09	5.78	146.78	1,070.39	564.30	16.62
Sir Ddinbych - Denbighshire	0.00	0.00	0.00	0.02	1.69	12.60	89.40	549.65	191.98	1.03
Sir Fynwy - Monmouthshire	0.00	0.00	0.06	0.49	1.25	9.24	103.45	602.73	168.81	0.02
Sir Gaerfyrddin - Carmarthenshire	0.00	0.00	0.19	1.27	4.56	34.25	381.35	1,596.23	418.90	2.12
Sir y Fflint - Flintshire	0.00	0.02	1.99	5.69	15.58	54.40	153.44	227.79	30.61	0.02

Name	1	2	3	4	5	6	7	8	9	10
Sir Ynys Mon - Isle of Anglesey	0.00	0.00	0.14	0.65	1.43	12.17	156.86	444.18	133.87	0.13
Tor-faen - Torfaen	0.00	0.00	0.00	0.09	2.75	15.86	36.86	63.30	7.38	0.01
Wrecsam - Wrexham	0.00	0.00	0.53	2.82	11.33	33.55	139.79	236.81	78.89	0.00

Appendix 8 Full Results of Future Wales Areas Analysis

Percentage of Future Wales Areas in each category

Name	1	2	3	4	5	6	7	8	9	10
Mid Wales	0.00%	0.00%	0.00%	0.00%	0.04%	0.31%	7.46%	62.80%	28.90%	0.49%
North	0.00%	0.00%	0.04%	0.16%	0.61%	2.42%	12.39%	49.84%	34.00%	0.54%
South East	0.00%	0.02%	0.26%	0.83%	3.34%	12.14%	30.15%	44.65%	8.60%	0.00%
South West	0.00%	0.00%	0.09%	0.33%	0.82%	3.29%	19.56%	57.76%	18.04%	0.11%

Area (km^2) of Future Wales Areas in each category

Name	1	2	3	4	5	6	7	8	9	10
Mid Wales	0.00	0.00	0.00	0.10	2.57	21.72	521.30	4,386.16	2,018.38	34.25
North	0.00	0.02	2.66	9.65	37.73	149.42	765.25	3,077.70	2,099.38	33.64

Name	1	2	3	4	5	6	7	8	9	10
South East	0.00	0.70	7.37	23.37	93.94	341.59	848.23	1,256.34	241.93	0.06
South West	0.00	0.20	4.15	15.77	39.23	158.18	941.36	2,779.91	868.29	5.51

Data Archive Appendix

Data outputs associated with this project are archived in NRW DMS (LANDMAP) for report, maps, images and GIS Services for GIS on server–based storage at Natural Resources Wales.

The data archive contains:

[A]   The final report in Microsoft Word and Adobe PDF formats.

[B]   A full set of maps produced in JPEG and PDF format.

[C]   A set of raster files in ESRI format.

[D]   An Excel spreadsheet containing the zonal statistics analysis.

[E]   A GIS Tool with user guidance.

Metadata for this project is publicly accessible through Natural Resources Wales' Library Catalogue https://libcat.naturalresources.wales (English Version) and https://catllyfr.cyfoethnaturiol.cymru (Welsh Version) by searching 'Dataset Titles'.

Further copies of this report are available from library@cyfoethnaturiolcymru.gov.uk