

A Appendix A1 - Blaenau Gwent Flood Risk Review

1.1 Historical Flooding

The Blaenau Gwent County Borough has a history of recorded flood events caused by multiple sources of flooding. Significant flood events within the County Borough (taken from records provided by Blaenau Gwent County Borough Council (BGCBC)) are recorded below, by date, in Table 5 1. NRW holds no records of flooding in their Recorded Flood Extents dataset in the Blaenau Gwent County Borough.

No records of groundwater flooding or flooding from artificial sources were made available at the time of writing. A summary of the spatial distribution of historic sewer flooding incidents by electoral ward is summarised in Table 5 2.

Table 5 1 - Flooding Incidents by year

Year of Flood Event	Flood Incident
1990	Data provided by BCGBC indicated that flooding occurred in Abertillery, Brynmawr, Ebbw Vale and Tredegar. The source of flooding is unknown
Spring/Summer 1999	Data provided by BCGBC indicated that flooding occurred in Abertillery, Blaina, Brynmawr and Nantyglo. In most of these areas, the source of flooding can be attributed to sewer flooding; however, the rest are unknown.
July 2001	Data provided by BCGBC indicated that flooding occurred in Abertillery, Blaina, Brynmawr, Ebbw Vale, Tredegar and Nantyglo. In most of these locations, the source of flooding can be attributed to sewer flooding; however, the rest are unknown.
August 2008	Data provided by BCGBC indicated that combined sewer flooding occurred in Abertillery, Ebbw Vale and Tredegar.
November 2009	Data provided by BCGBC indicated that flooding occurred in Abertillery, Blaina, Brynmawr, Llanhilleth and Nantyglo. In most of these locations, flooding can be attributed to sewer flooding; however, the rest are unknown.
November 2010	Data provided by BCGBC indicated that flooding occurred in Blaina, Brynmawr, Ebbw Vale and Tredegar. The source of flooding of some of these locations can be attributed to sewer flooding; however, the rest are unknown.
January 2016	Data provided by BCGBC indicated that heavy rainfall caused flooding in Abertillery, Blaina, Brynmawr and Ebbw Vale.
September 2016	Data provided by BCGBC indicated that heavy rainfall caused flooding in Brynmawr, Ebbw Vale, Nantyglo and Tredegar. 4 houses were recorded as flooding internally in Ebbw Vale.
February 2020	Storm Dennis resulted in flooding in Abertillery, Ebbw Vale, and Tredegar. 86 properties were recorded to have flooded in Llanhilleth, with properties in Abertillery, Tredegar, Ebbw Vale experiencing external and internal flooding.

Table 5 2 - Sewer Flooding Incidents by Electoral Ward

Electoral Ward	Number of sewer flooding incidents
Abertillery	5
Badminton	3
Beaufort	8
Blaina	8
Brynmawr	10
Cwm	2
Cwmtillery	2
Ebbw Vale North	5
Ebbw Vale South	3
Georgetown	5
Llanhilleth	8
Nantyglo	4
Rassau	12
Sirhowy	9
Six Bells	7
Tredeggar Central and West	8

1.2 Fluvial

The River Sirhowy, River Ebbw Fawr, River Ebbw Fach and River Ebbw are the main watercourses in the Blaenau Gwent County Borough. These watercourses are all classified as NRW Main Rivers. Maps showing the extent of the flood outlines from the NRW Flood Map for Planning- Rivers in Blaenau Gwent are provided in Appendix A.

The River Sirhowy rises to the north of Nantybawch and flows in a southerly direction through Tredeggar before flowing south into the neighbouring county borough of Caerphilly. Flood Zones 2 and 3 associated with the River Sirhowy extend across parts of Tredeggar. The local topography constrains the extent of the floodplain in this area. The Nant Melyn and Nant Trefil are both tributaries of the Sirhowy. The floodplains of these watercourses result in a large portion of Dukestown being located within Flood Zones 2 and 3.

The source of the River Ebbw Fawr is located to the north of Llangynidr Reservoir (within the Brecon Beacons National Park). It flows in a southerly direction into the Llangynidr Reservoir and Carno Reservoir. The river then continues to flow in a southerly direction through the town of Ebbw Vale and the villages of Waun-Lwyd and Cwm before continuing to flow south through the county borough to its confluence with the Ebbw Fach at Aberbeeg, where it forms the River Ebbw. The floodplain of the River Ebbw Fawr is mainly constrained by local topography but widens in the flatter urban areas located on the valley floors and long culverted sections. This results in parts of Glyncoed, Newtown (Ebbw Vale) and a large area of Cwm being located within Flood Zones 2 and 3.

The River Ebbw Fach flows from north to south, starting at Blaina before passing through Abertillery and meeting the River Ebbw Fawr at Aberbeeg. Like the other rivers in the county borough, the river's floodplain is narrow. However, it widens in flatter urban areas, including large areas of Abertillery and Duffryn Park in Blaina. The main flood risk to properties is in Abertillery. Similarly to the River Ebbw Fawr, there are several culverted sections upstream of which the floodplain widens, resulting in a larger flood zone. NRW

flood defences are present along parts of the River Ebbw Fawr in the western part of Abertillery and Six Bells. These defences have a standard of protection of 1 in 100 years and form part of the TAN-15 Defended Zone for Rivers in this area.

In the south of the county borough, the River Ebbw flows in a southerly direction along the county borough boundary through Brynithel and Llanhilleth. The floodplain of the river extends across the western urbanised areas of Brynithel and Llanhilleth, with buildings in this area located in Flood Zones 2 and 3. Flood defences are present along parts of the River Ebbw in the western parts of Brynithel and Llanhilleth, mitigating the risk of flooding in these areas. These defences have a standard of protection of 1 in 100 years and form part of the TAN-15 Defended Zone for Rivers in this area.

The River Tylen is an ordinary watercourse located in the eastern part of the county borough. The river rises to the north of Cwmtillery Reservoir. It flows in a southerly direction into the Cwmtillery Reservoir before flowing south through Cwmtillery and Abertillery to its confluence with the River Ebbw Fawr. There are no flood defences located along this watercourse.

Information on any local authority managed or private flood defences was not available at the time of writing.

Fluvial Flood Risk & TAN-15

Fluvial flooding in the Blaenau Gwent County Borough is constrained by the local topography resulting in constrained areas of Flood Zones 2 and 3 within the valley floors, and subsequent existing urban areas.

Flood defences found along the River Ebbw in Abertillery, Six Bells, Brynithel and Llanhilleth are maintained by NRW. These defences protect small areas in these towns and villages and categorises the fluvial floodplain in this area as a TAN-15 Defended Zone. All forms of development are possible in these areas if the requirements of the Justification Test can be satisfied.

Due to the restricted nature of the floodplain in the Blaenau Gwent County Borough, development within the Flood Zones 2 and 3 should be avoided where possible. Highly vulnerable development is not likely to be possible within and around the areas of Flood Zone 3, including areas which are already developed. Any proposed highly vulnerable development should be located within Flood Zone 2 or Zone 1.

Less vulnerable development in Flood Zones 2 and 3 is suitable subject to the stringent Justification Tests outlined in TAN-15. Development in these areas shall be subject to site specific assessment and detailed flood modelling shall be required. Due to the lack of protection from NRW flood defences in these Zones 2 and 3, any proposed development is likely to require flood mitigation considerations and may be more challenging to meet TAN-15 requirements.

1.3 Tidal

The Blaenau Gwent County Borough is not at risk of tidal flooding.

1.4 Surface water and smaller watercourses

Maps showing the extent of the flood outlines for the surface water flood maps in Blaenau Gwent are provided in Appendix A.

The NRW FMfP- Surface Water and Small Watercourses map shows that the predicted flood extents predominantly follow existing watercourses or dry valleys. Some isolated surface water ponding occurs upslope of topographic features, including railway lines and roads.

Due to the topography of the Blaenau Gwent County Borough, a significant number of small surface water flow paths are present across the authority area. A large number of these flow paths are likely to follow the line of existing small watercourses, which flow towards the main rivers. Parts of the urban areas within Blaina, Cwm, Ebbw Vale, Tredegar, and Rassau are located within Flood Zones 2 and 3 and are at the greatest risk of surface water flooding.

Surface Water Flood Risk & TAN-15

All development types are permissible in Flood Zone 2 and 3 provided that the acceptability criteria in TAN-15 can be met. Development in these areas shall be subject to site specific assessment which should consider flow pathways, potential ground levelling for topographic depressions and how SuDS can be used to manage surface water flow across a development site. Where proposed developments are located in Zones 2 and 3 as a result of flood risk from small watercourses, an FCA is likely to be required, whilst surface water flood risk as a result of topographic depressions are likely to be sufficiently managed through the use of SuDS. Developers should consult the LLFA for any specific knowledge related to surface water and small watercourse flooding at a proposed development site. Due to the localised surface water flooding in the urban areas of Tredegar, Ebbw Vale and Bryn-Mawr, developments should be located outside of Zone 2 and 3 where possible.

1.5 Groundwater

The bedrock geology of the Blaenau Gwent County Borough is predominantly comprised of Mudstone. Mudstone tends to have low porosity and permeability; however this is dependent upon grain size percentages and level of compaction. As a result, upward percolation of groundwater and subsequent flooding should be considered. The superficial deposits overlaying the bedrock in the Blaenau Gwent County Borough are comprised of Till Devensian, which are regarded as generally permeable and head deposits formed of Clay, Silt and Sand, which are likely to be impermeable. The variation of superficial deposits throughout the county borough suggests that groundwater flooding could present a risk to localised areas only. Maps showing the indicative Groundwater flood depth in Blaenau Gwent are provided in Appendix A.

For most of the county borough, groundwater levels are at least 5m below the ground surface, suggesting a low risk of groundwater flooding. Areas in the north of the county borough in Rassau, Garnlydan, Nantybwch and Trefil have large areas where groundwater flood depths are between 0.025 and 5m below the surface, making groundwater flooding more likely in these areas. Groundwater flood depths are also close to the surface around the lower reaches of the River Ebbw Fawr, River Ebbw Fach and the River Ebbw. Other areas of high groundwater flood depths are present outside the county borough's urban areas.

Groundwater Flood Risk & TAN-15

TAN-15 does not specify any requirements for groundwater flood risk, other than the risk of groundwater flooding should be considered as part of an FCA. However, it would be advisable to locate developments away from areas where groundwater is less than 0.025m below the ground surface without further groundwater monitoring and detailed assessment being undertaken.

1.6 Sewer flooding

Dŵr Cymru Welsh Water (DCWW) is responsible for sewer infrastructure across the study area and recording incidents of sewer flooding. Historical flooding incidents are recorded relating to public foul, combined or surface water sewers. These records display the number of properties that experienced internal and/or external flooding. A summary of the spatial distribution of historic sewer flooding incidents by electoral ward is summarised in Error! Reference source not found. of Section 1.1. This data shows that the wards which have experienced the most sewer flood events are Brynmawr ward with 10 incidents of sewer flooding and the Rassau ward with 12 incidences of sewer flooding. The Beaufort, Blaina, Llanhilleth, Sirhowy and Tredegar Central and West wards have also experienced a significant number of sewer flood events.

DCWW has not provided any information regarding the predicted flood risk from the sewerage network.

Flood Risk from Sewers & TAN-15

TAN-15 does not specify any requirements for sewer flood risk, other than that it should be considered as part of a FCA. The LLFA and DCWW should be able to provide specific advice on any known history of sewer flooding and any remedial action taken.

1.7 Artificial flooding

Artificial sources of flooding identified within the county borough include numerous reservoirs across and upstream of the Blaenau Gwent County Borough. Maps showing the potential flood risk from reservoirs in Blaenau Gwent County Borough are provided in Appendix A.

Several reservoirs are present in the county borough. These include:

- Shon-Sheffrey's Reservoir,
- Waun-y-Pound Upper (Blue Lake),
- Blaen-y-cwm,
- Waun Pond,
- Cwmtillery reservoir and;
- Cairn Mound reservoir.

Two reservoirs located outside of the borough also contribute to the potential risk of flooding. These are Carno Reservoir (located 560m north of the county borough) and Llangynidr Reservoir (located 680m north of the county borough).

The NRW FRAW Flood Risk from Reservoirs mapping indicates that the areas along the course of the River Sirhowy, the River Ebbw Fawr, the River Ebbw Fach and the River Ebbw are at risk from reservoir flooding, with flood extents constrained within the valleys of the borough. Ashvale and the north-eastern extent of Ebbw Vale are predicted to experience significant flooding due to a reservoir breach or overtopping.

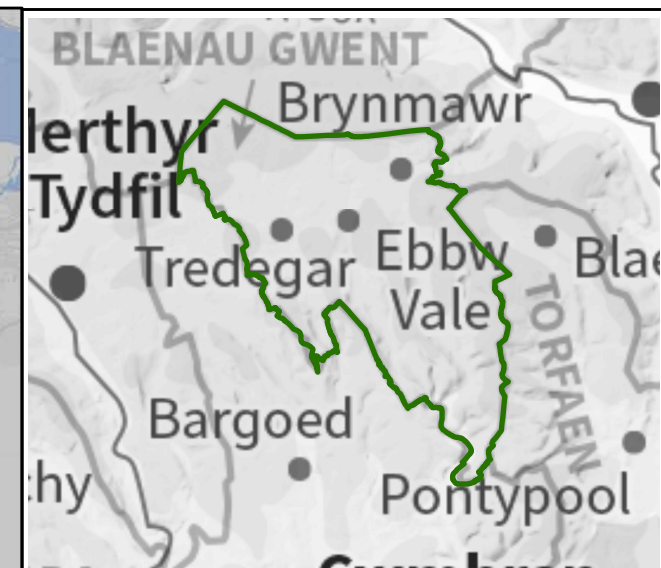
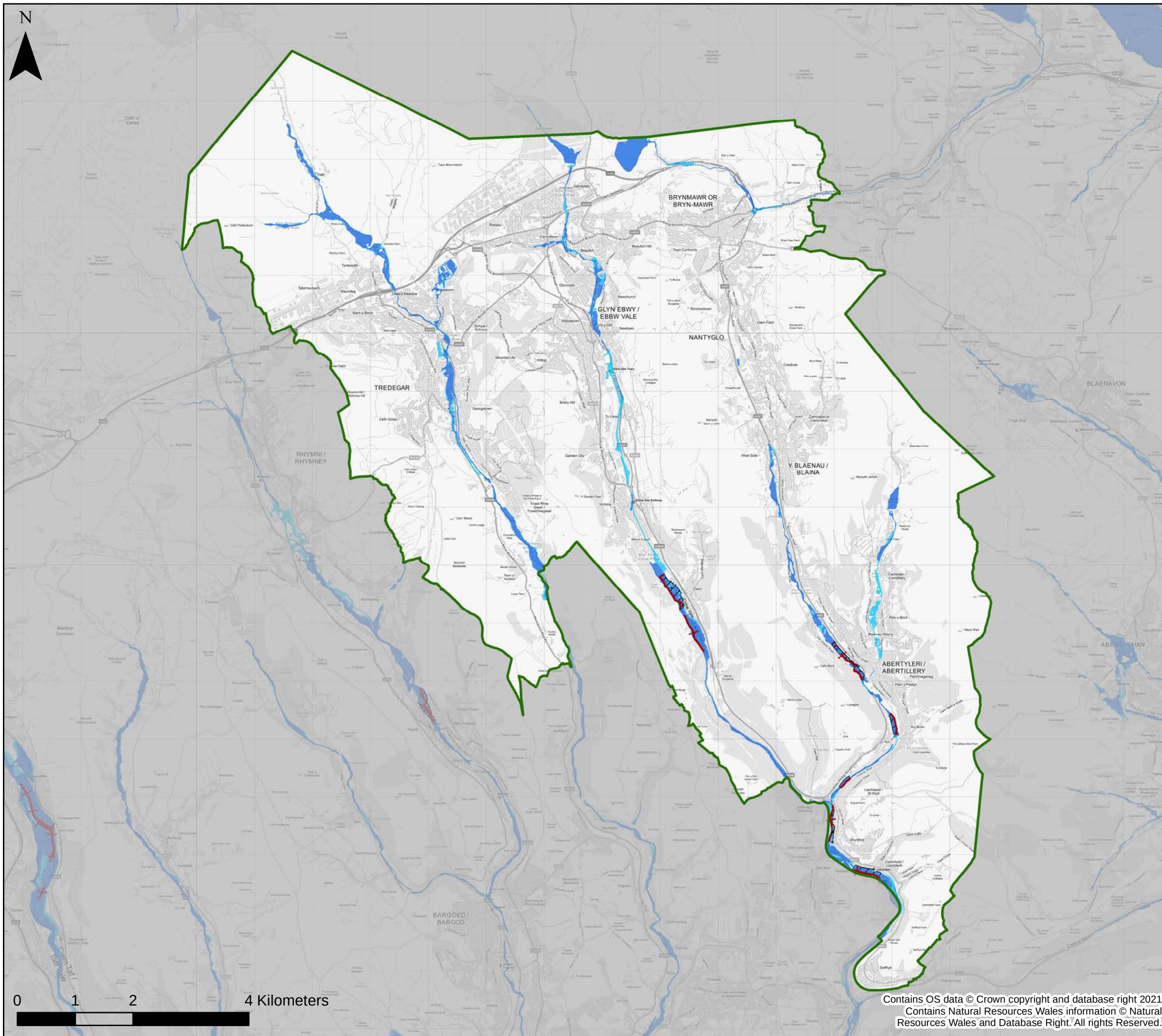
The failure of a reservoir can cause catastrophic damage due to the sudden release of large volumes of water. Reservoirs in the UK have an excellent safety record, and NRW is the enforcement authority for the Reservoirs Act 1975 in England and Wales. All large reservoirs must be inspected and supervised by reservoir panel engineers. It is assumed that these reservoirs are regularly inspected, and essential safety work is carried out. These reservoirs, therefore, present minimal risk.

1.8 Changes in understanding of flood risk

Future FMfP improvements

The locations listed below are covered by existing detailed NRW flood models which are expected to be incorporated into the Flood Map for Planning through future routine updates. Where NRW have provided an indication of timescales for these updates, this is provided in brackets.

- Abertillery (unknown)
- River Ebbw (unknown)
- River Ebbw Lower (unknown)
- River Ebbw Upper (unknown)
- Tredegar to Aberbeeg (unknown)



KEY

- Blaenau Gwent County Borough Council Boundary
- Flood Defences-Rivers and Sea
- FMFP Rivers and Sea**
 - Zone 2
 - Zone 3
- TAN15 Defended Zones**
 - Rivers
 - Sea
 - Rivers and Sea

Notes
The TAN15 Defended Zones have been created for the areas behind flood defences managed and maintained by Risk Management Authorities that have a minimum, Present Day Standard of Protection of 1% (1 in 100) annual event probability (AEP) for rivers, or 0.5% (1 in 200) annual event probability (AEP) for the sea plus climate change and freeboard.

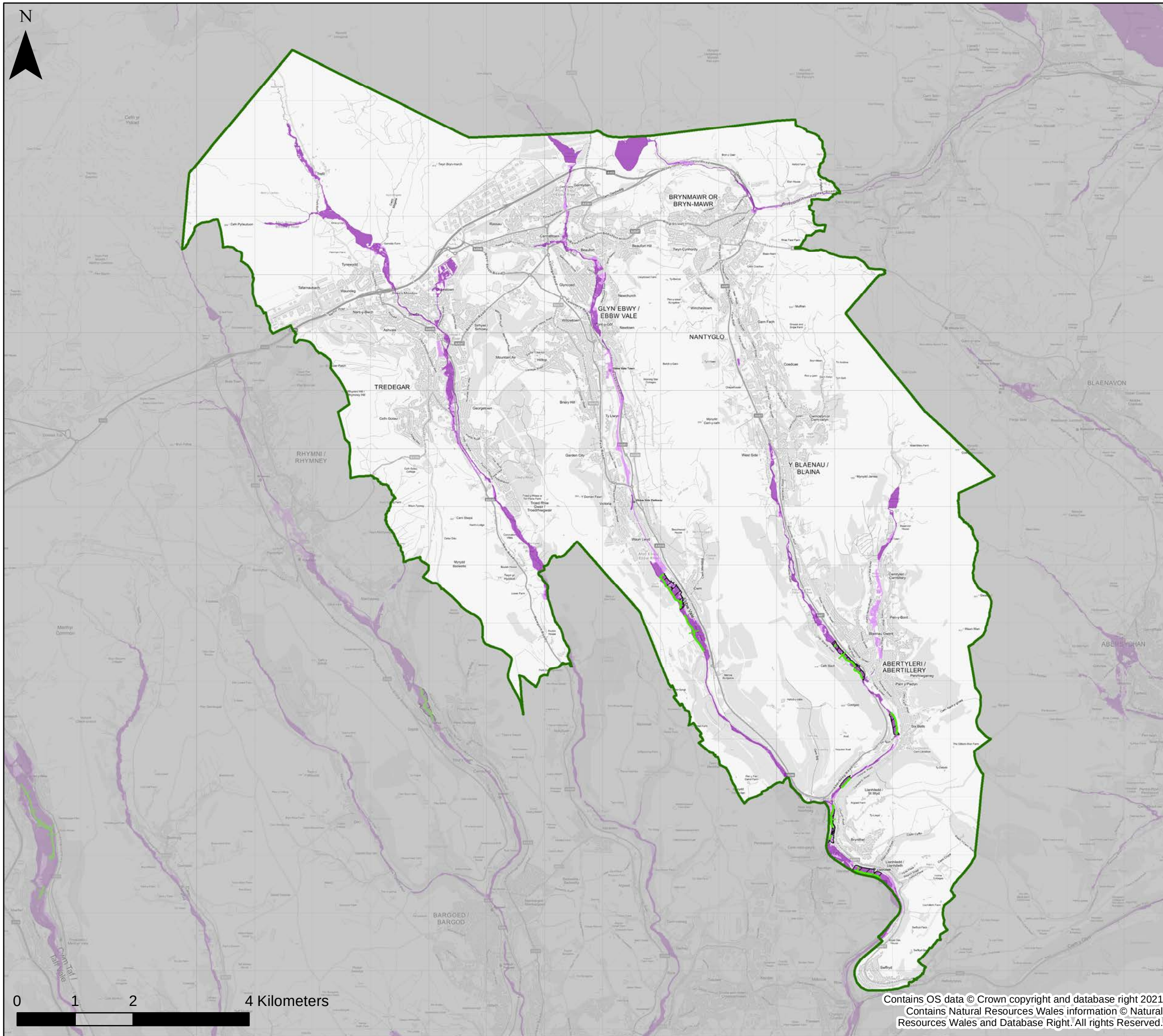


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Map for Planning – Rivers and Sea*

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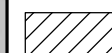
 Blaenau Gwent County Borough Council Boundary

Rivers

 Zone 2

 Zone 3

TAN15 Defended Zones

 Rivers

Flood Defences

 Fluvial

Notes

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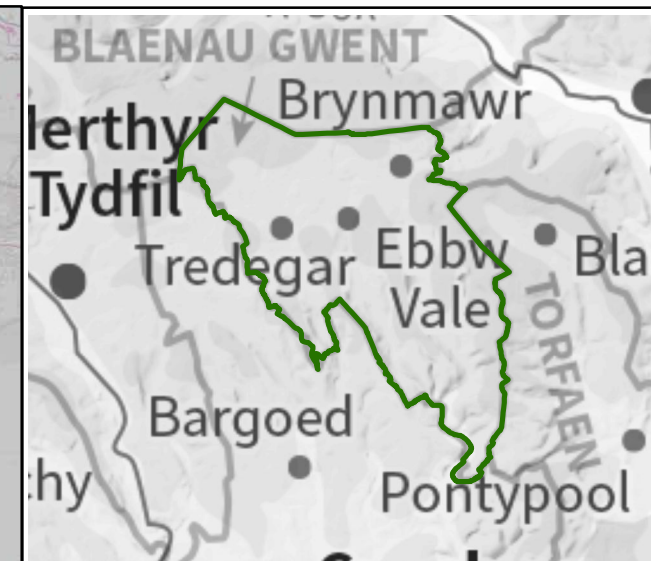
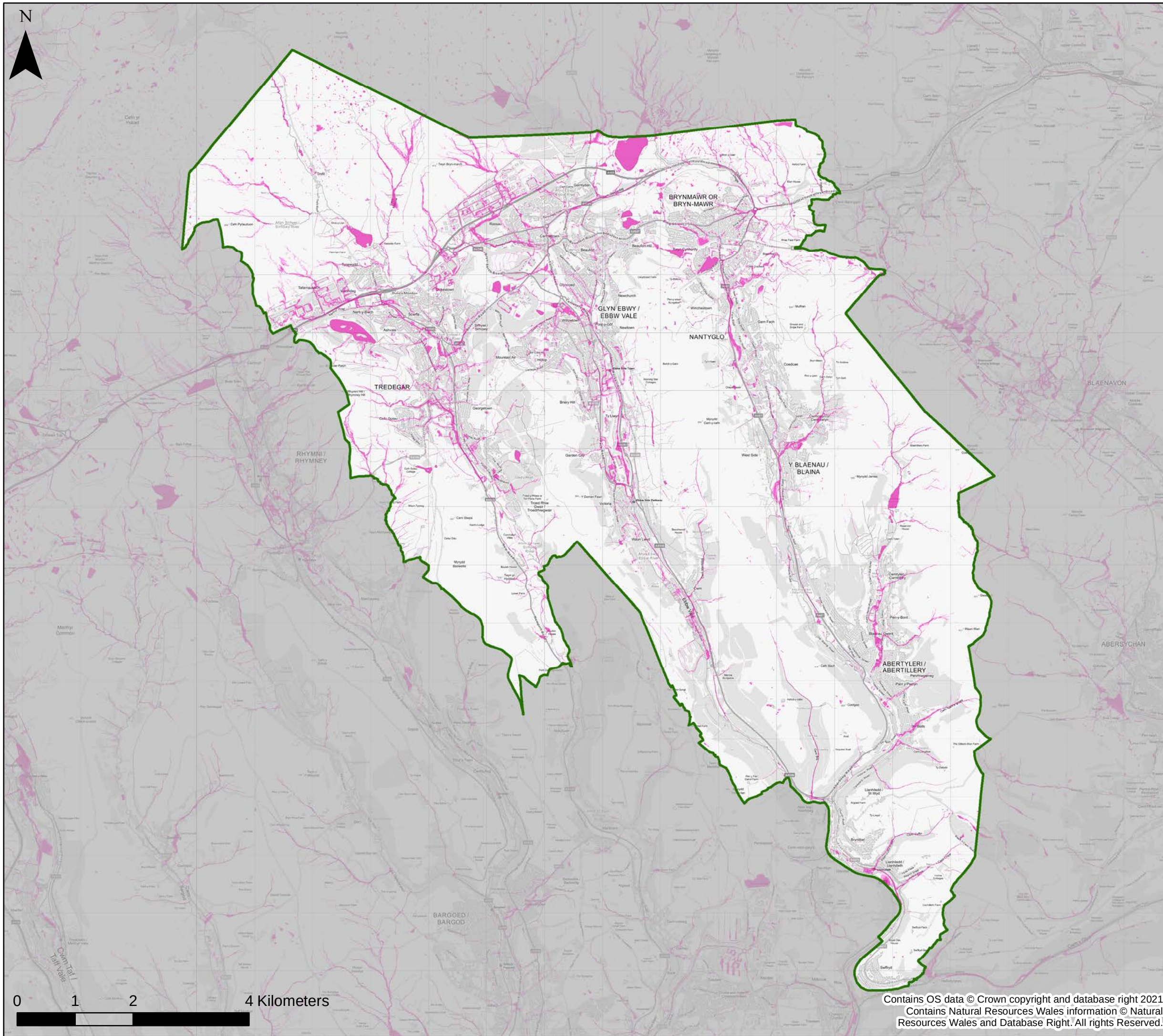


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Map for Planning- Rivers*

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KEY

 Blaenau Gwent County Borough Council Boundary

Surface Water and Small Watercourses

 Zone 2
 Zone 3



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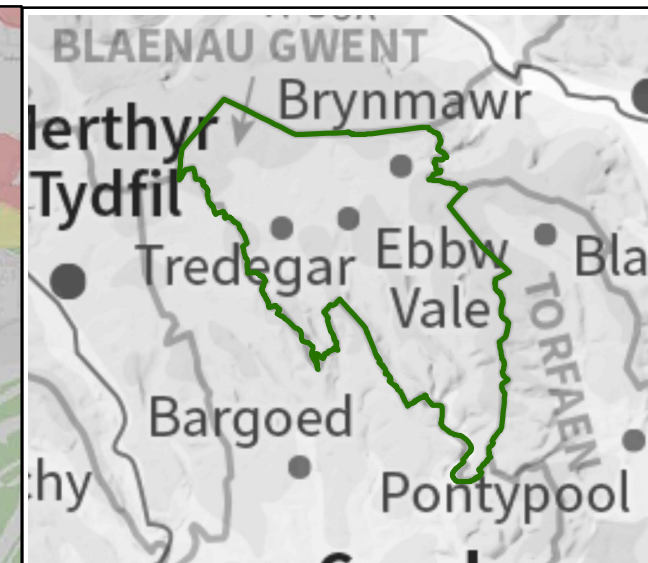
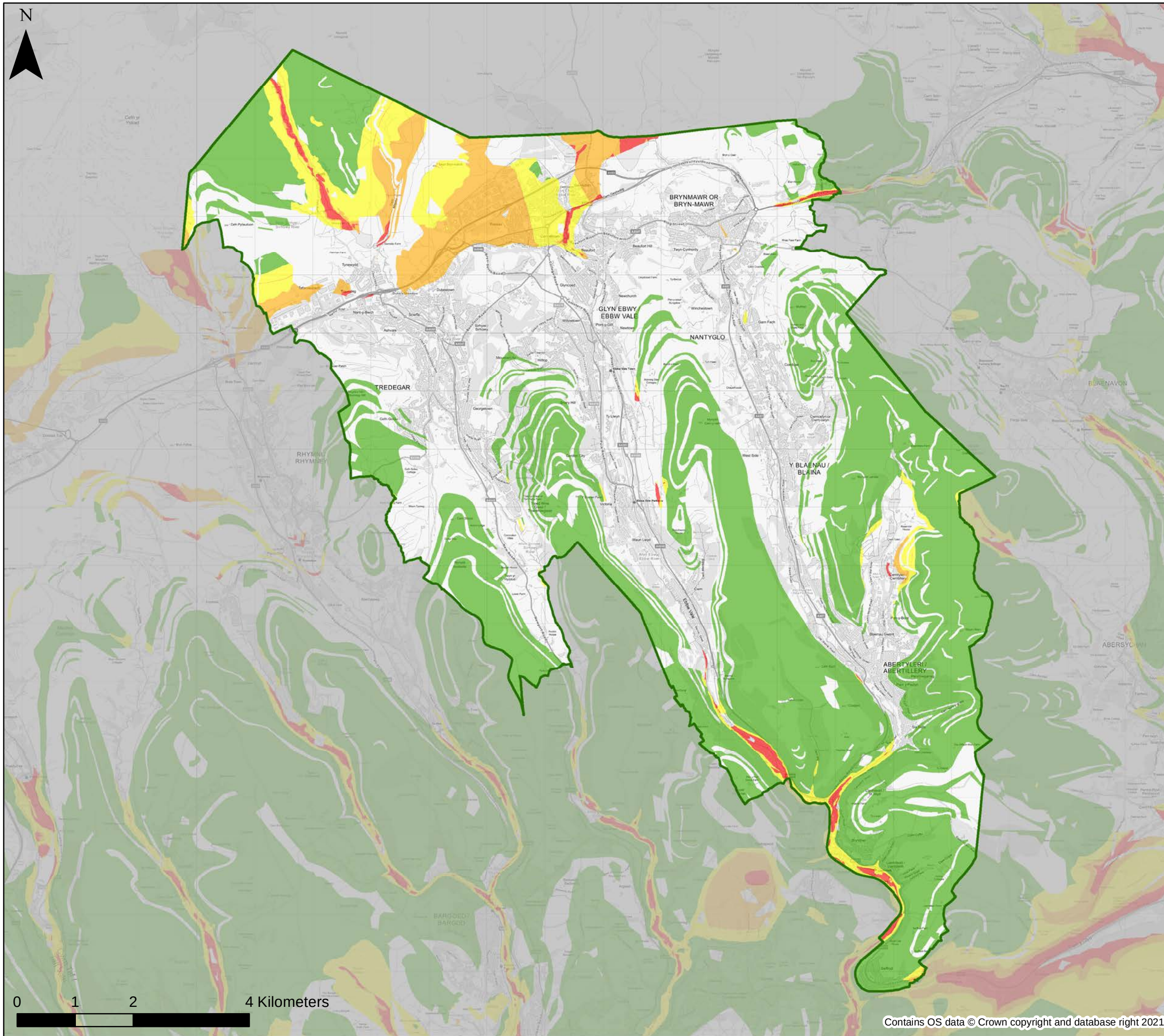


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Map for Planning- Surface Water and Small Watercourses*

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KEY

 Blaenau Gwent County Borough Council Boundary

Groundwater Flood Depth

Indicative Groundwater flood depth

-  Groundwater levels are at least 5m below the ground surface.
-  Groundwater levels are between 0.5m and 5m below the ground surface.
-  Groundwater levels are between 0.025m and 0.5m below the ground surface.
-  Groundwater levels are either at or very near (within 0.025m of) the ground surface.
-  Low risk.

Notes

The map provides an indicative assessment of groundwater flood depth on a 5m grid. Please refer to Section 4 of the SFCA Report for further detail of the dataset used to define the potential for groundwater emergence.



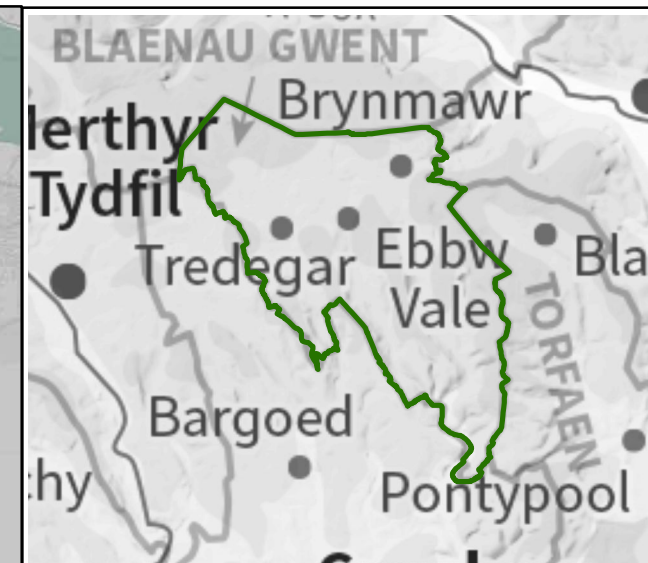
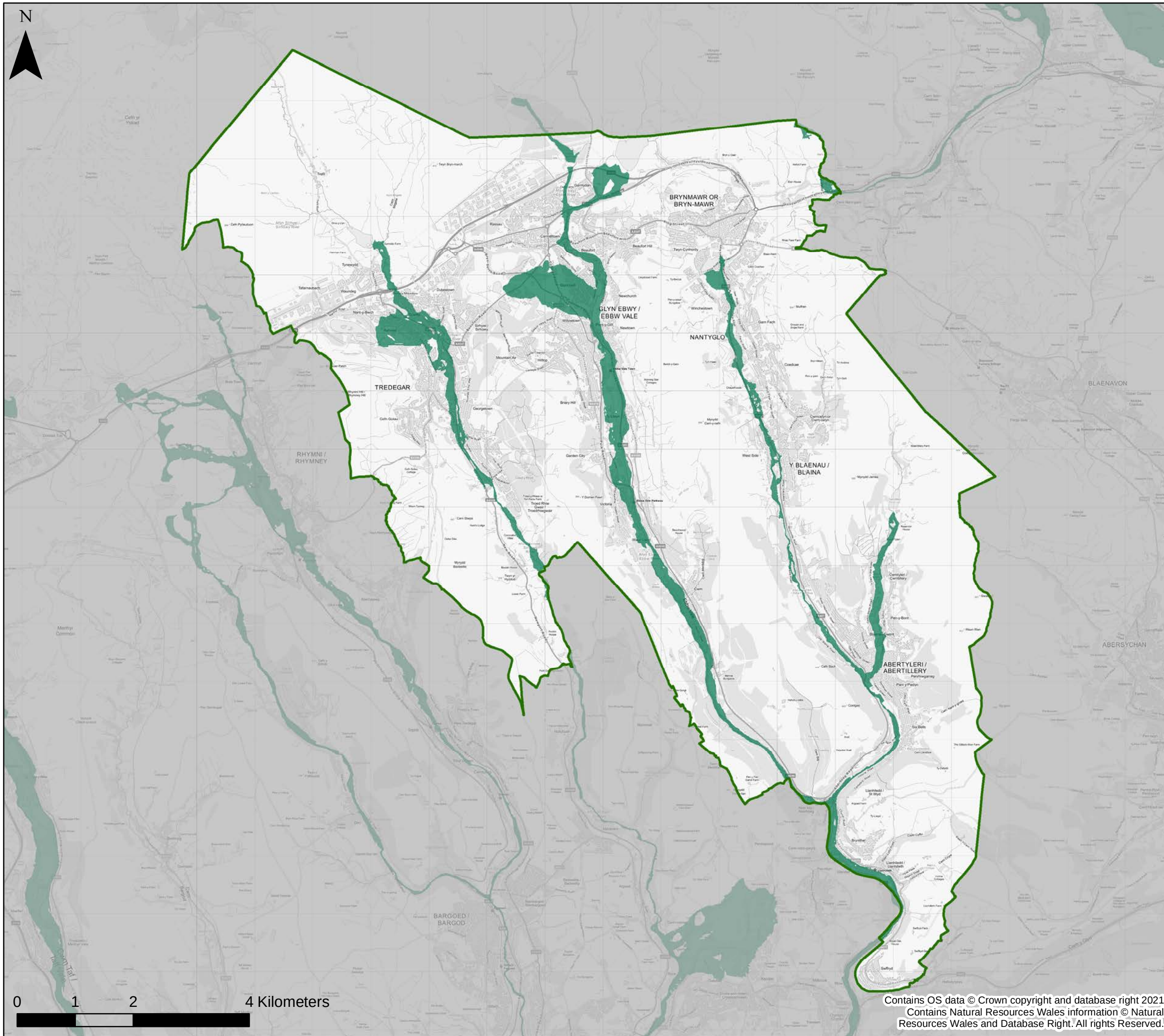
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County Borough Council



Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Risk from Groundwater*

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KEY

-  Blaenau Gwent County Borough Council Boundary
-  Flood Risk from Reservoirs

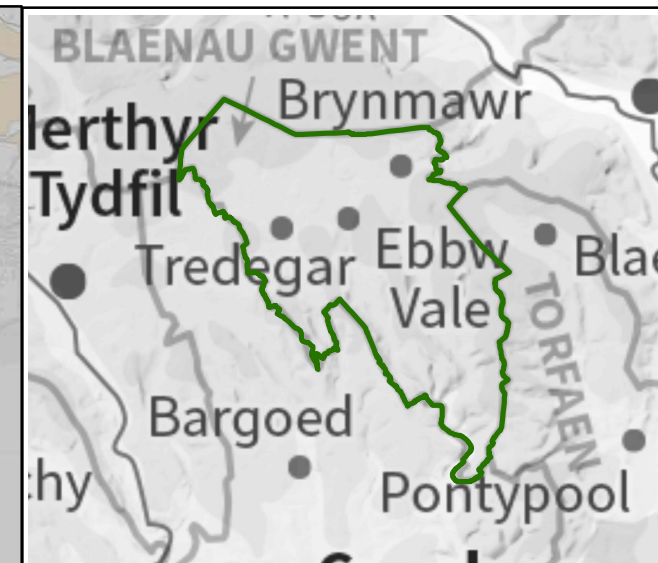
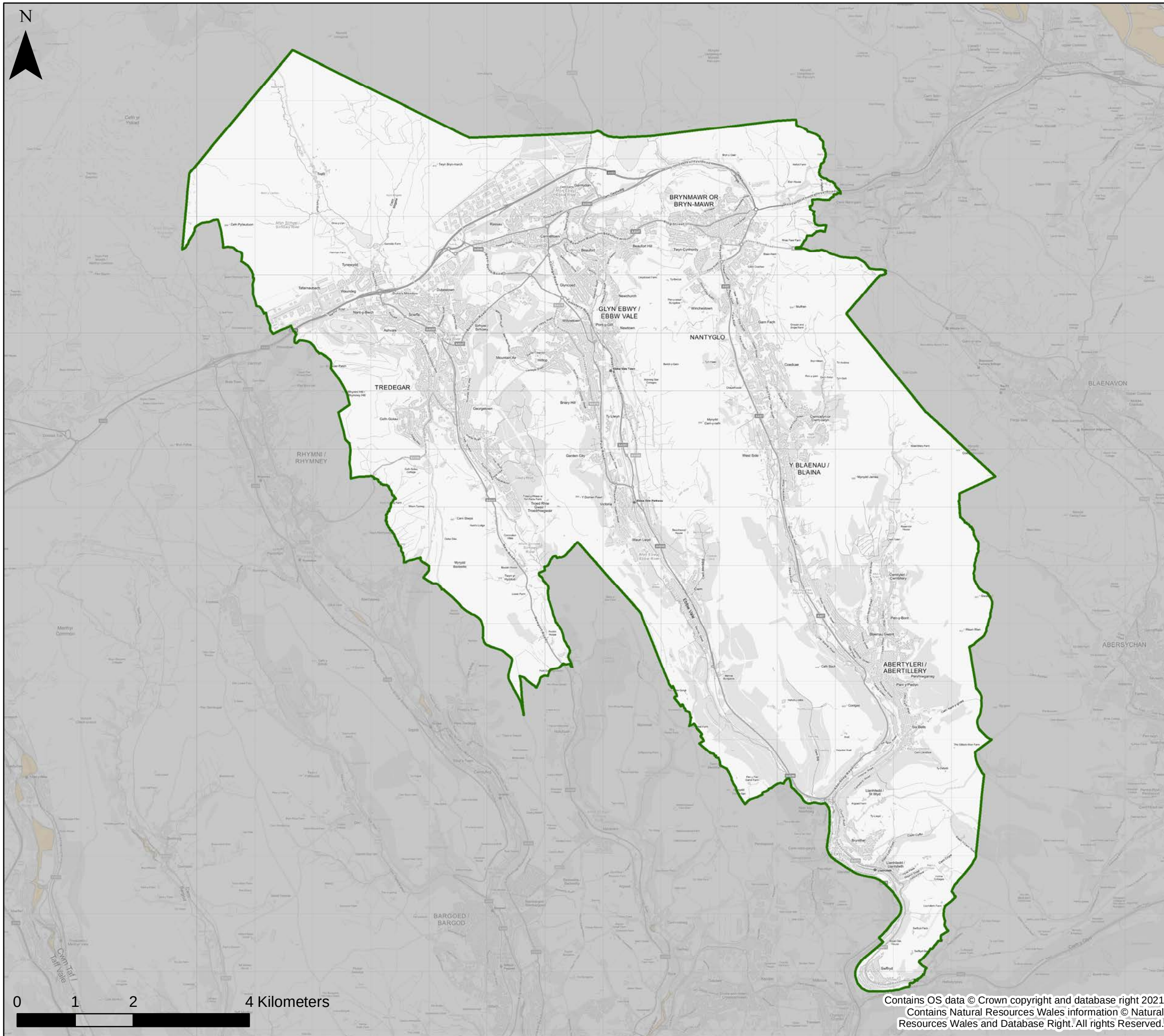


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Risk from Reservoirs*

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KEY

-  Blaenau Gwent County Borough Council Boundary
-  NRW Recorded Flood Extents



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County Borough Council



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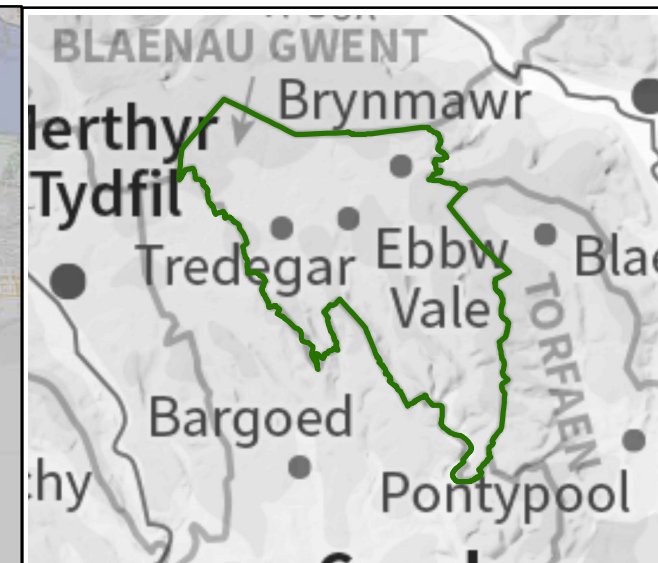
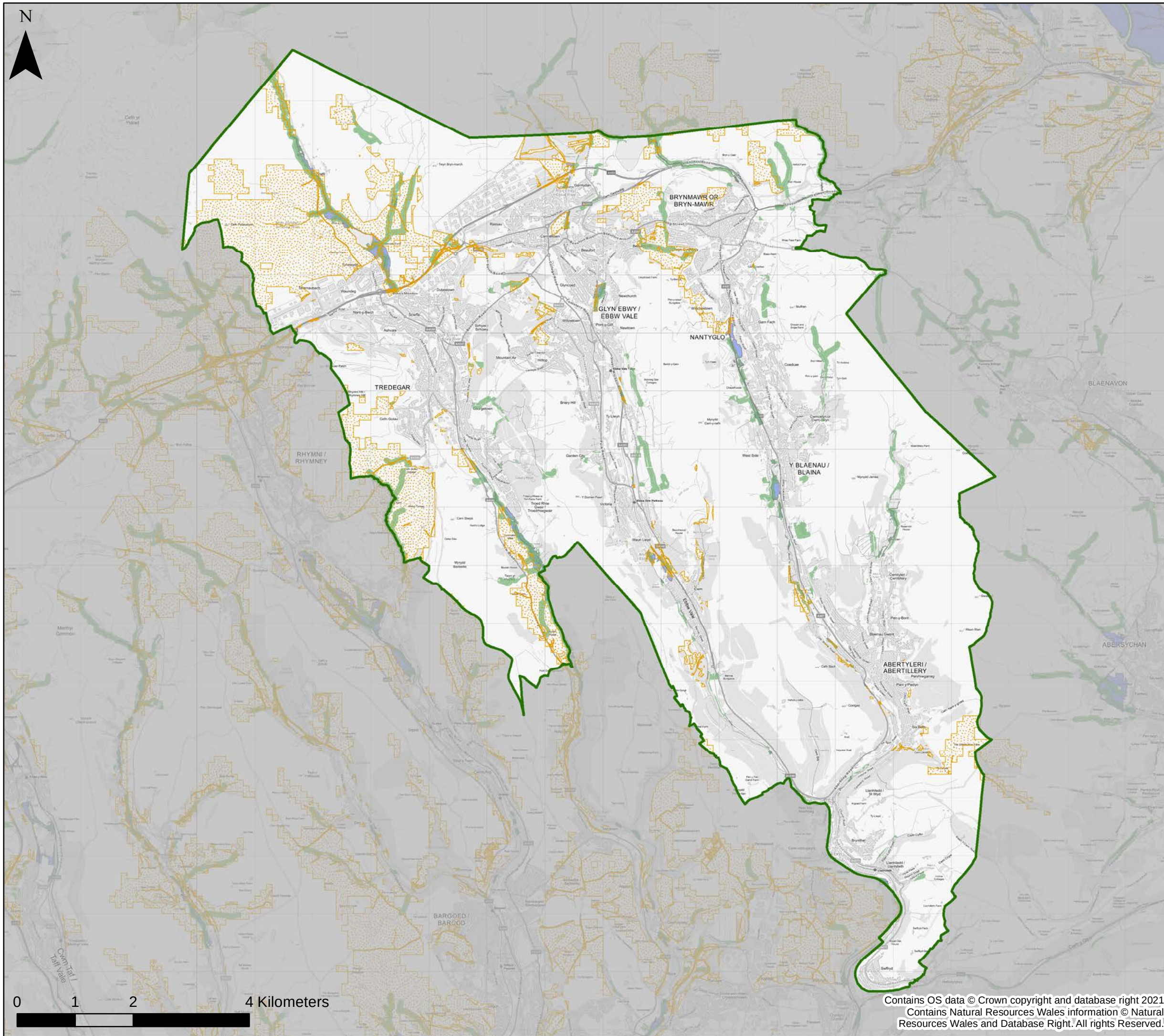
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Historic Flooding

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KEY

-  Blaenau Gwent County Borough Council Boundary
-  Wider Catchment Woodland Potential
-  Riparian Woodland Planting Potential
-  Floodplain Woodland Planting Potential

Notes
This map shows areas for woodland planting potential. Further data relating to areas for potential attenuation features is provided as part of the Natural Resources Wales Working with Natural Processes dataset, but these potential attenuation features aren't visible on this scale of mapping. The attenuation features are shown on the local maps.



Blaenau Gwent County Borough Council

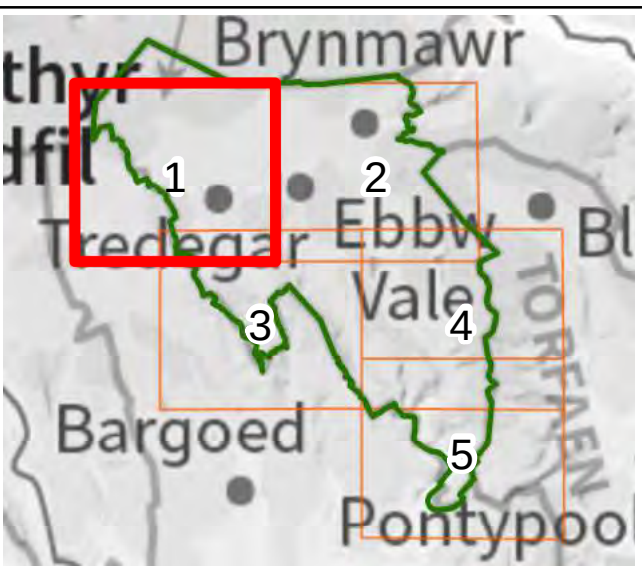
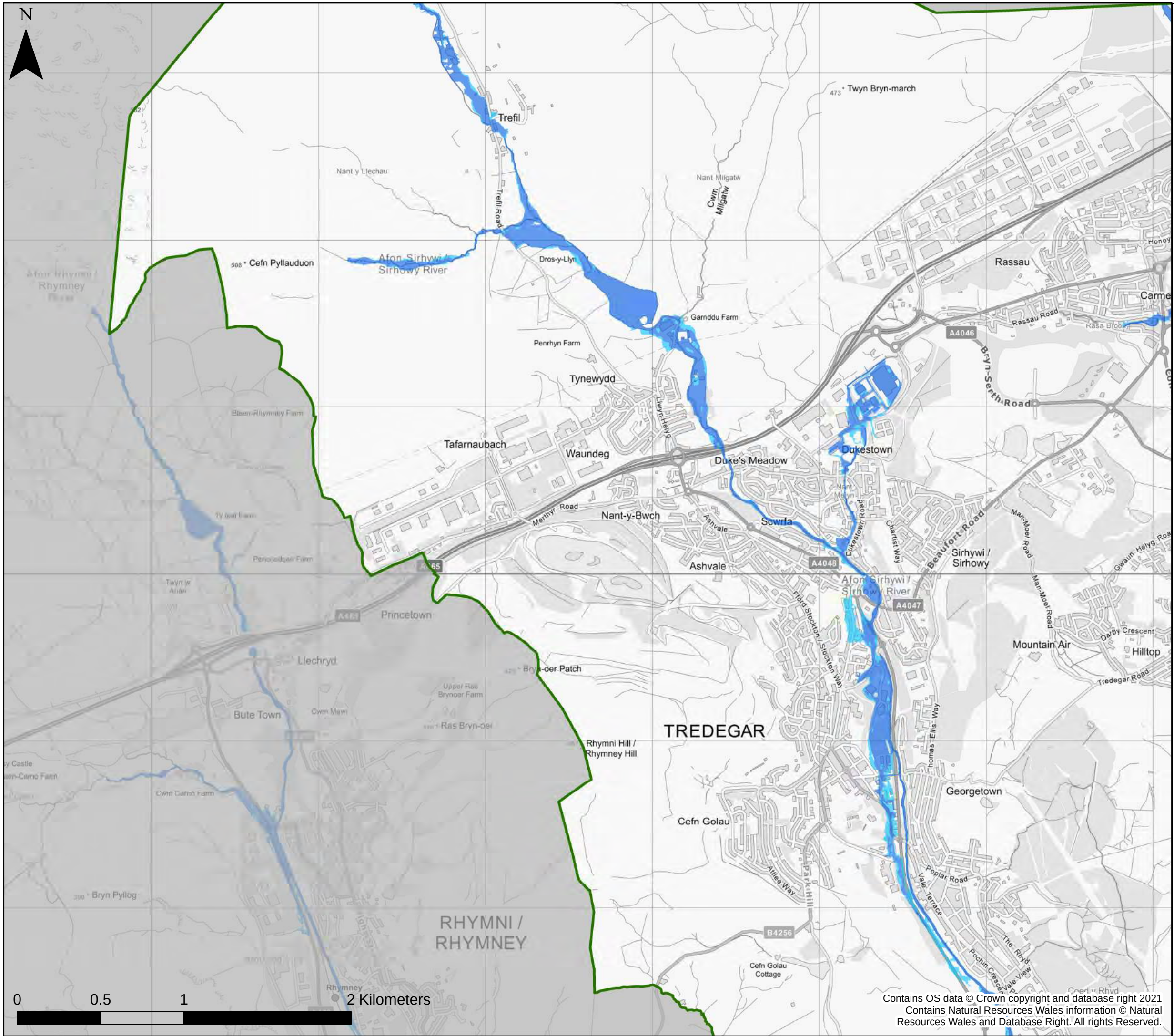
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Working with Natural Processes - Potential Mapping

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KEY

- Blaenau Gwent County Borough Council Boundary
- Flood Defences-Rivers and Sea
- FMFP Rivers and Sea**
 - Zone 2
 - Zone 3
- TAN15 Defended Zones**
 - Rivers
 - Sea
 - Rivers and Sea

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Blaenau Gwent County Borough Council

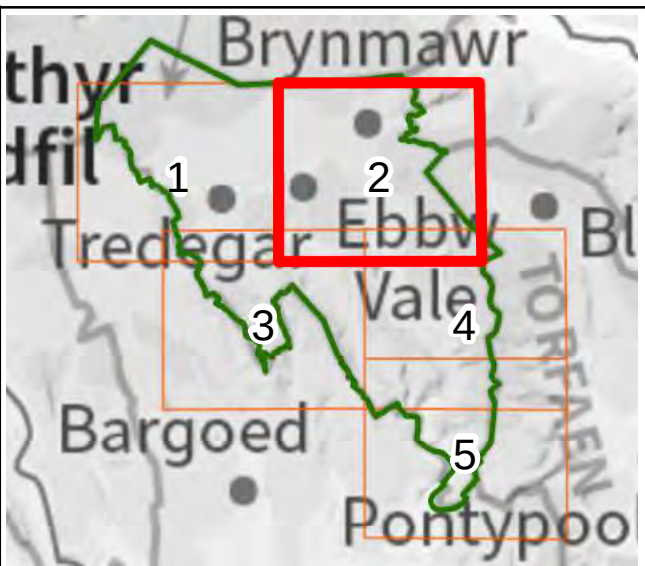
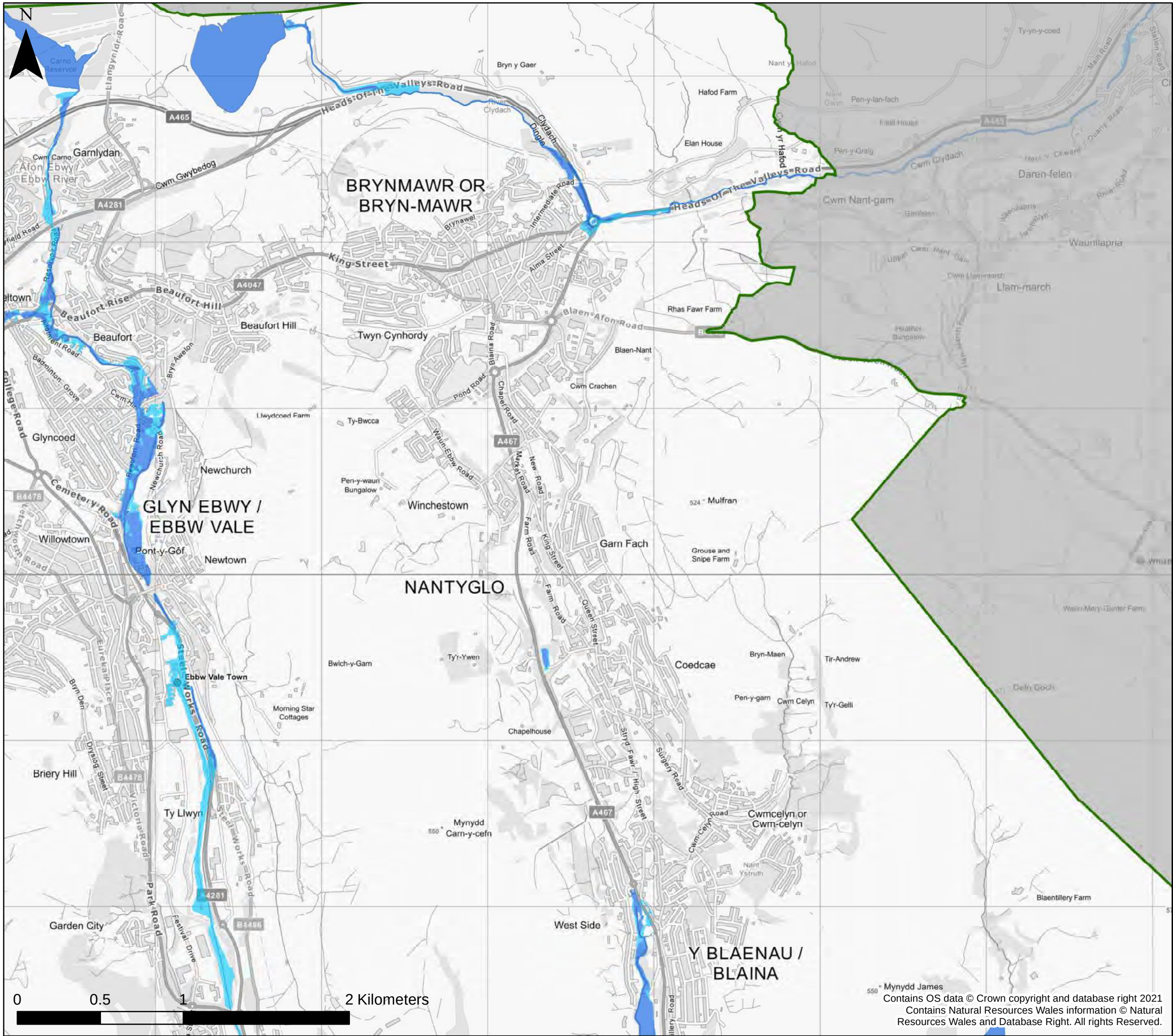
Stage 1 Strategic Flood Consequences Assessment

Flood Map for Planning – Rivers and Sea

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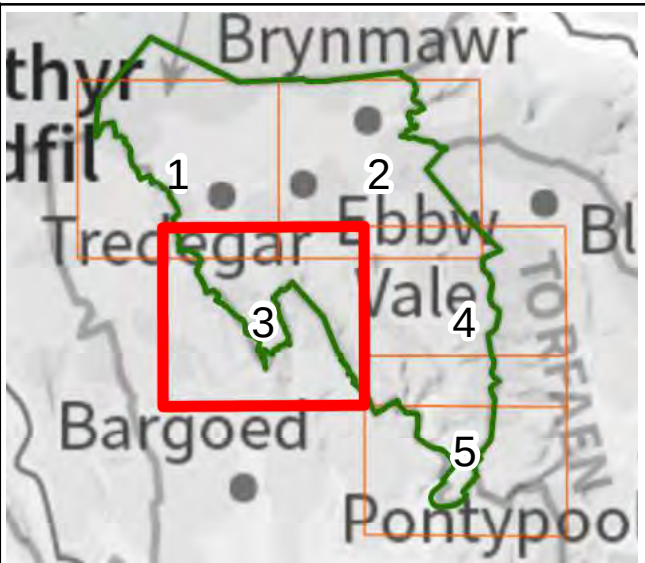
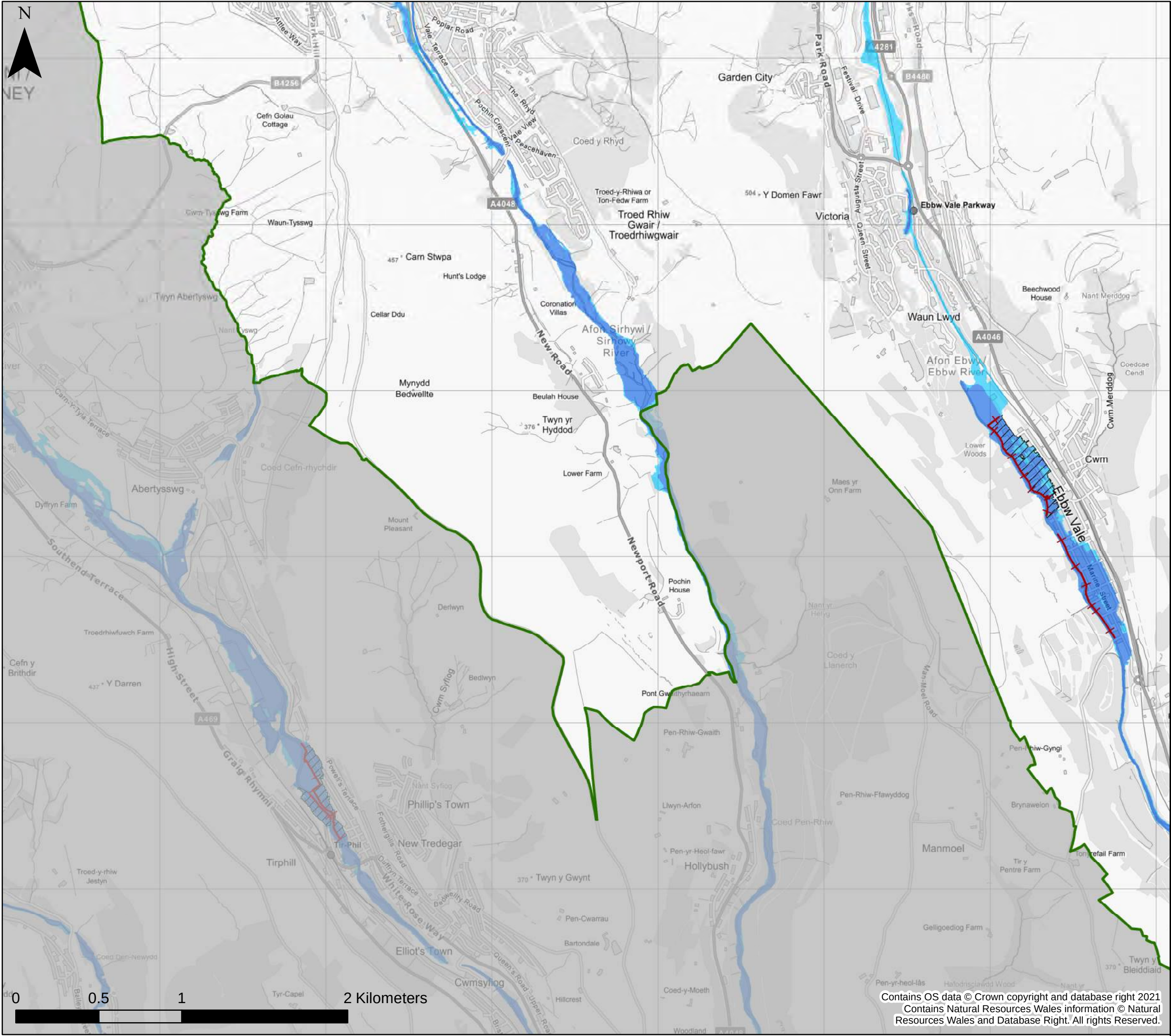
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Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Map for Planning – Rivers and Sea*

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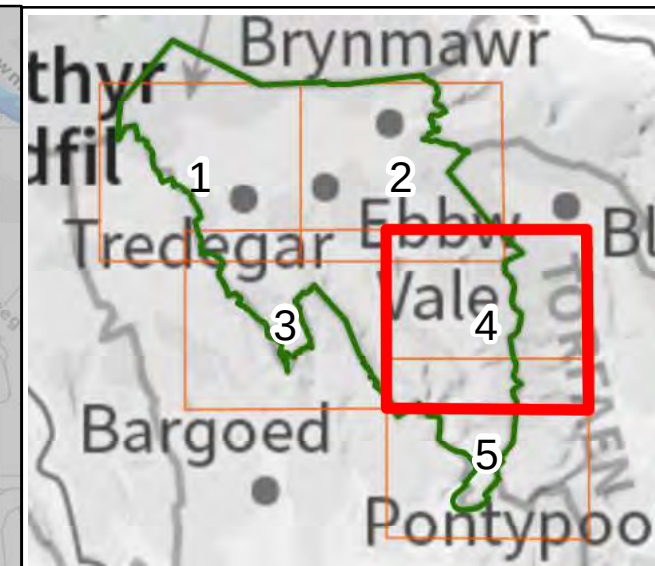
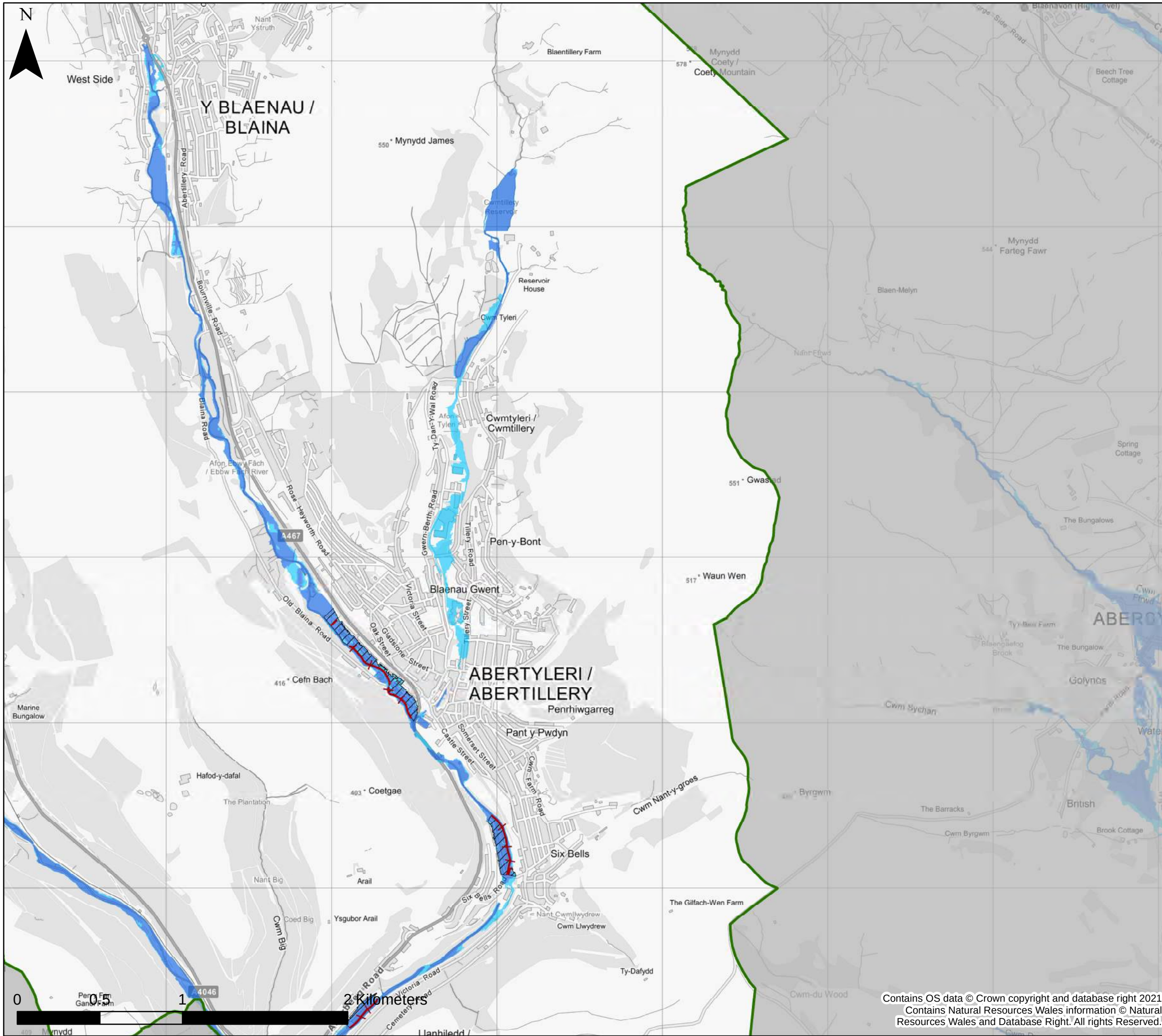


Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Map for Planning – Rivers and Sea

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- Flood Defences-Rivers and Sea
- FMFP Rivers and Sea**
 - Zone 2
 - Zone 3
- TAN15 Defended Zones**
 - Rivers
 - Sea
 - Rivers and Sea

Notes
The TAN15 Defended Zones have been created for the areas behind flood defences managed and maintained by Risk Management Authorities that have a minimum, Present Day Standard of Protection of 1% (1 in 100) annual event probability (AEP) for rivers, or 0.5% (1 in 200) annual event probability (AEP) for the sea plus climate change and freeboard. The map shows the flood risk data and information based on the map title and legend. If no data is displayed on the map, or not all features are present, this indicates that the respective flood source or features are not present within this area.

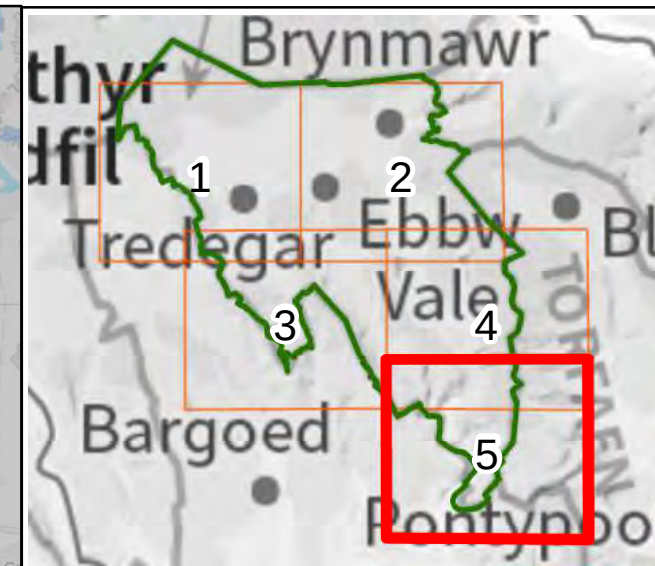
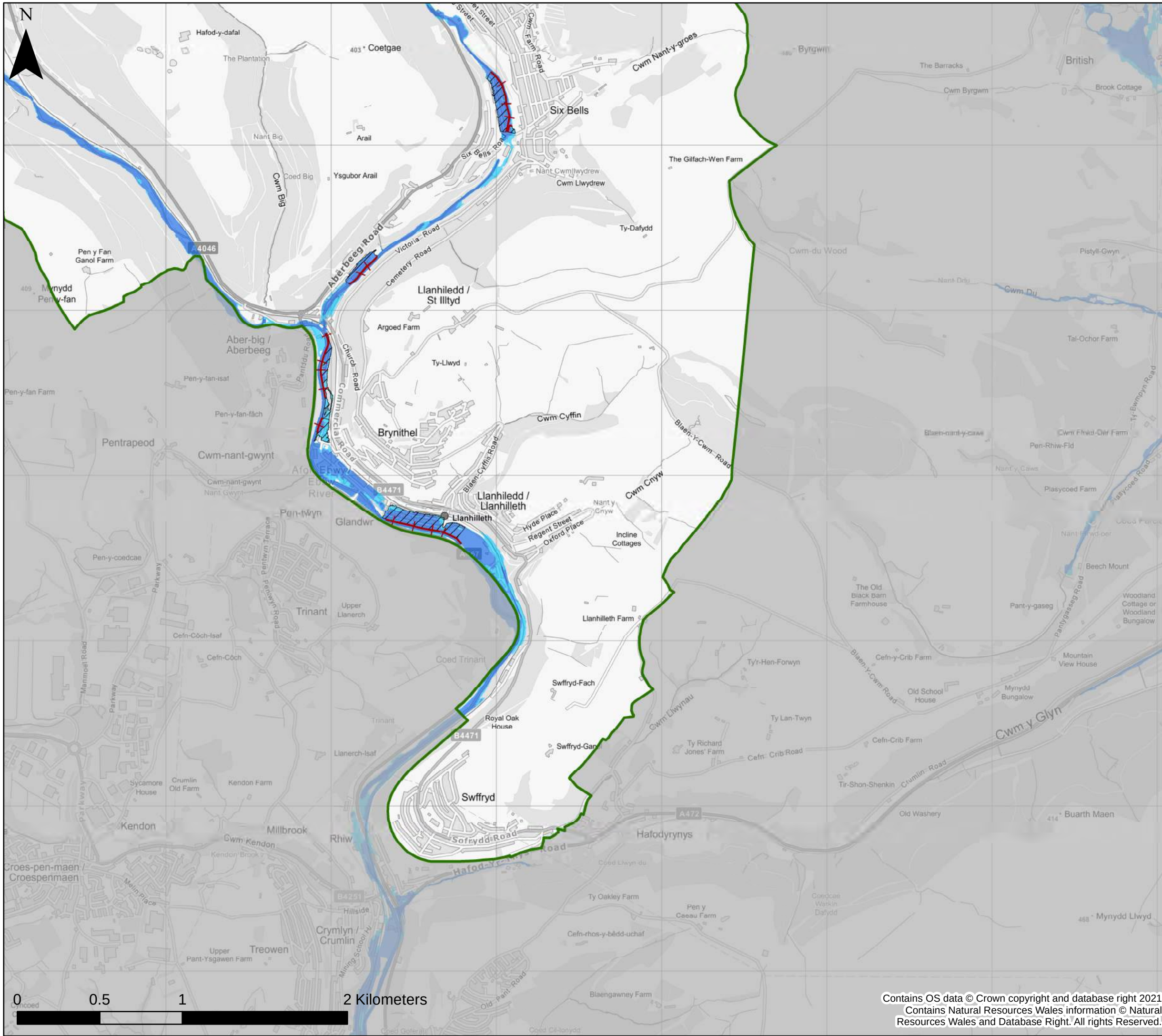


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Map for Planning – Rivers and Sea*

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KEY

- Blaenau Gwent County Borough Council Boundary
- Flood Defences-Rivers and Sea
- FMFP Rivers and Sea**
 - Zone 2
 - Zone 3
- TAN15 Defended Zones**
 - Rivers
 - Sea
 - Rivers and Sea

Notes
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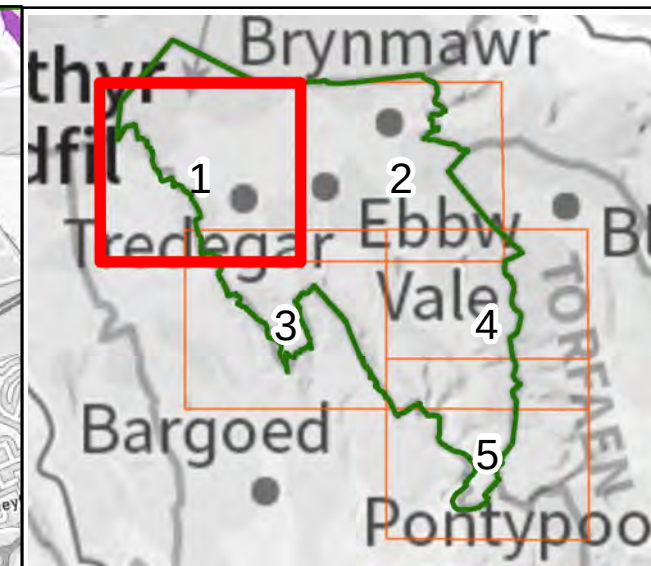
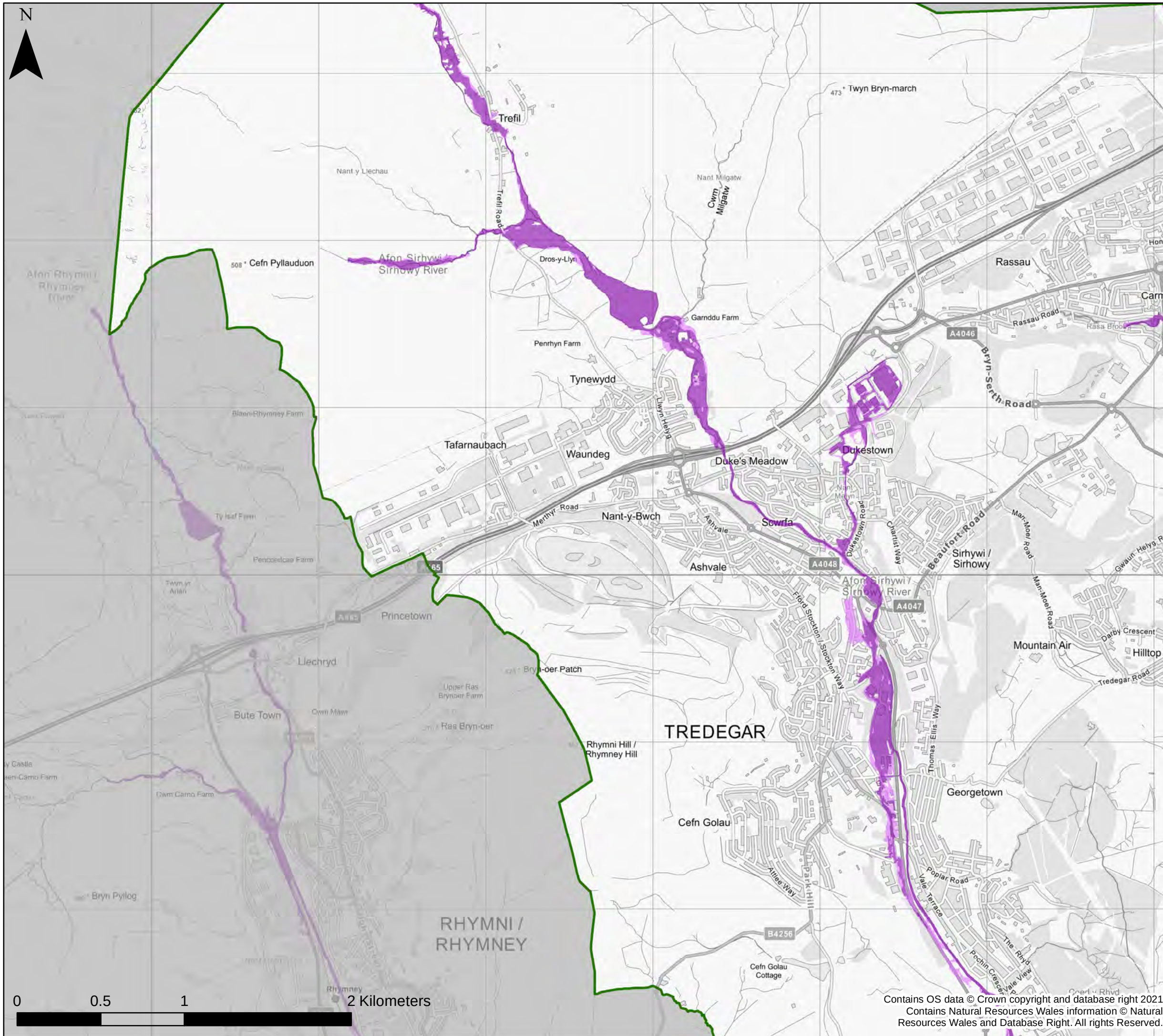
Blaenau Gwent County Borough Council

Stage 1 Strategic Flood Consequences Assessment

Flood Map for Planning – Rivers and Sea

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KEY

-  Blaenau Gwent County Borough Council Boundary
- River**
-  Zone 2
-  Zone 3
- TAN15 Defended Zones**
-  Rivers
- Flood Defences**
-  Fluvial

Notes
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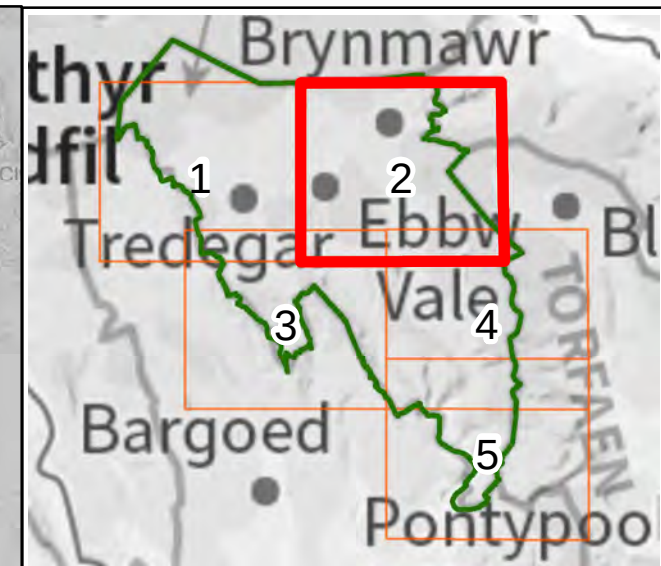
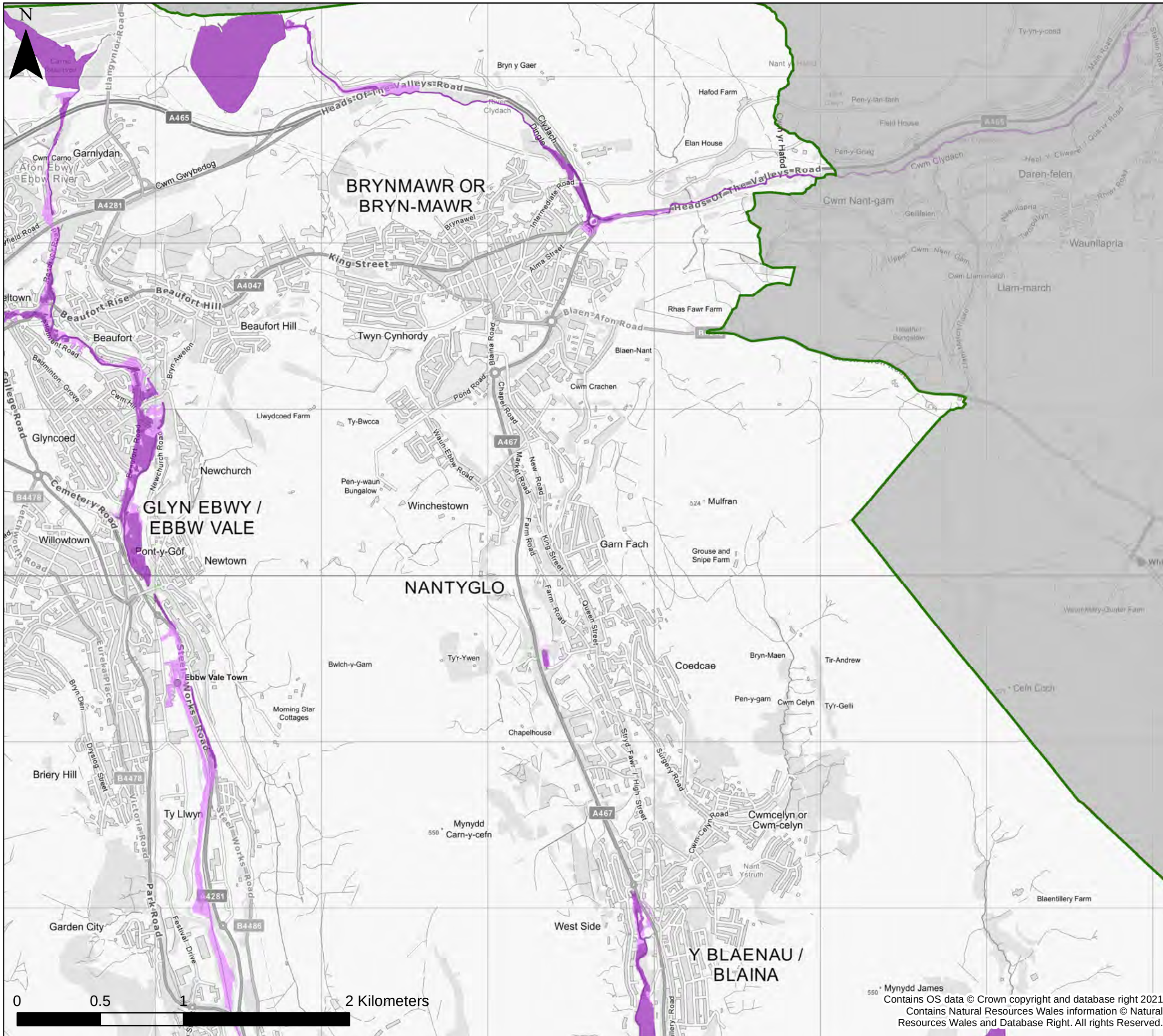
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Stage 1 Strategic Flood Consequences Assessment

Flood Map for Planning- Rivers

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KEY

- Blaenau Gwent County Borough Council Boundary
- River**
 - Zone 2
 - Zone 3
- TAN15 Defended Zones**
 - Rivers
- Flood Defences**
 - Fluvial

Notes
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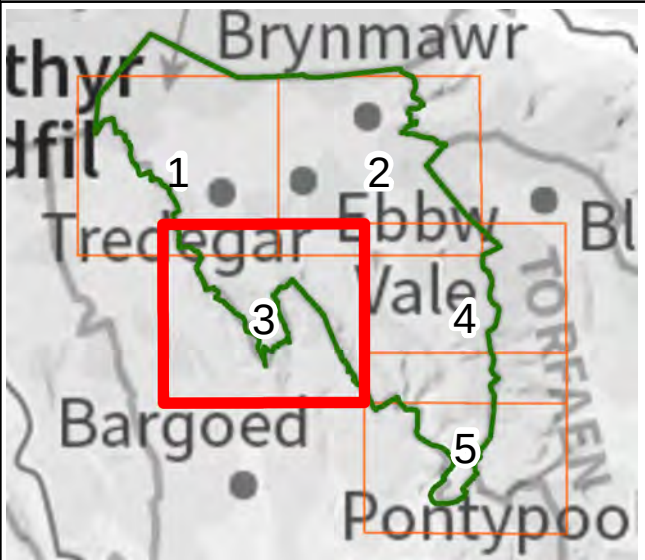
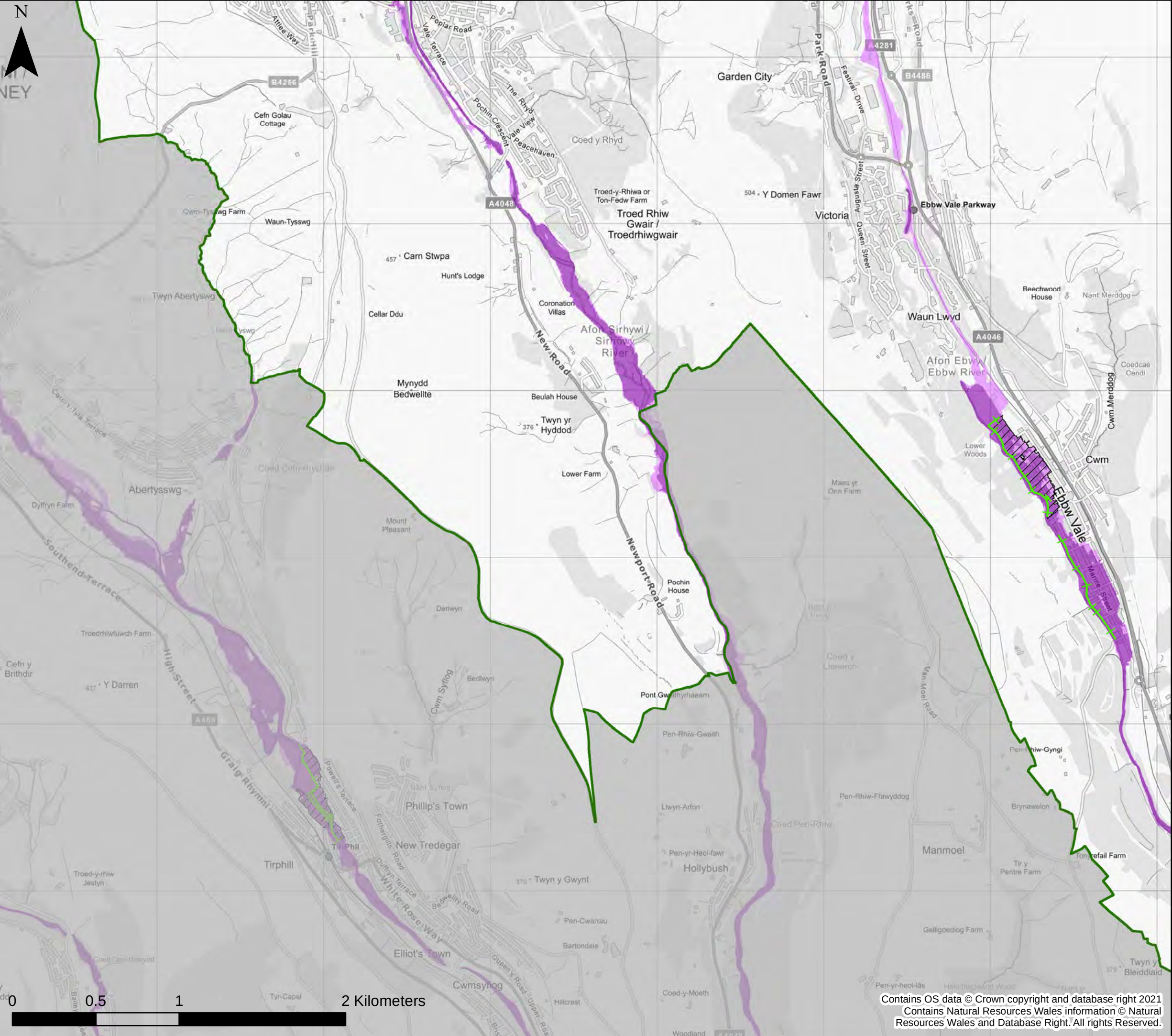


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Stage 1 Strategic Flood Consequences Assessment

Flood Map for Planning- Rivers

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- Blaenau Gwent County Borough Council Boundary
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- TAN15 Defended Zones
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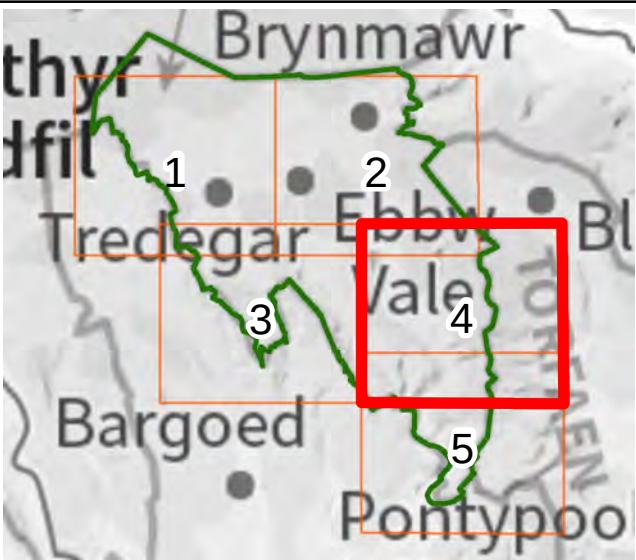
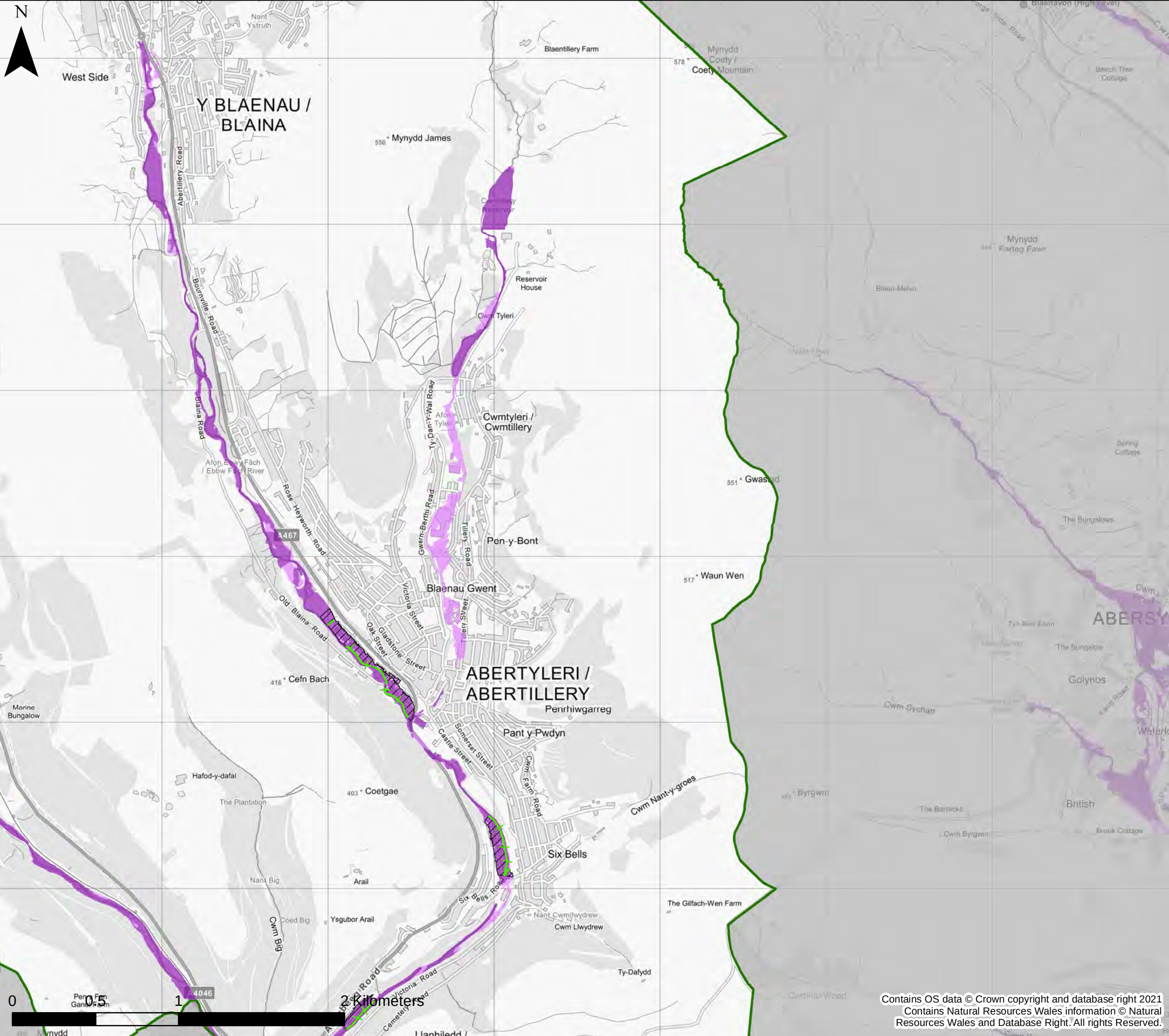


Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Map for Planning- Rivers

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KEY

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- River**
 - Zone 2
 - Zone 3
- TAN15 Defended Zones**
 - Rivers
- Flood Defences**
 - Fluvial

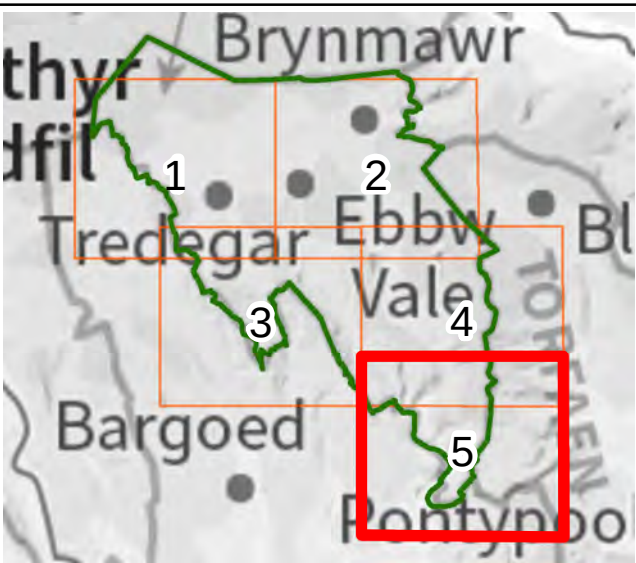
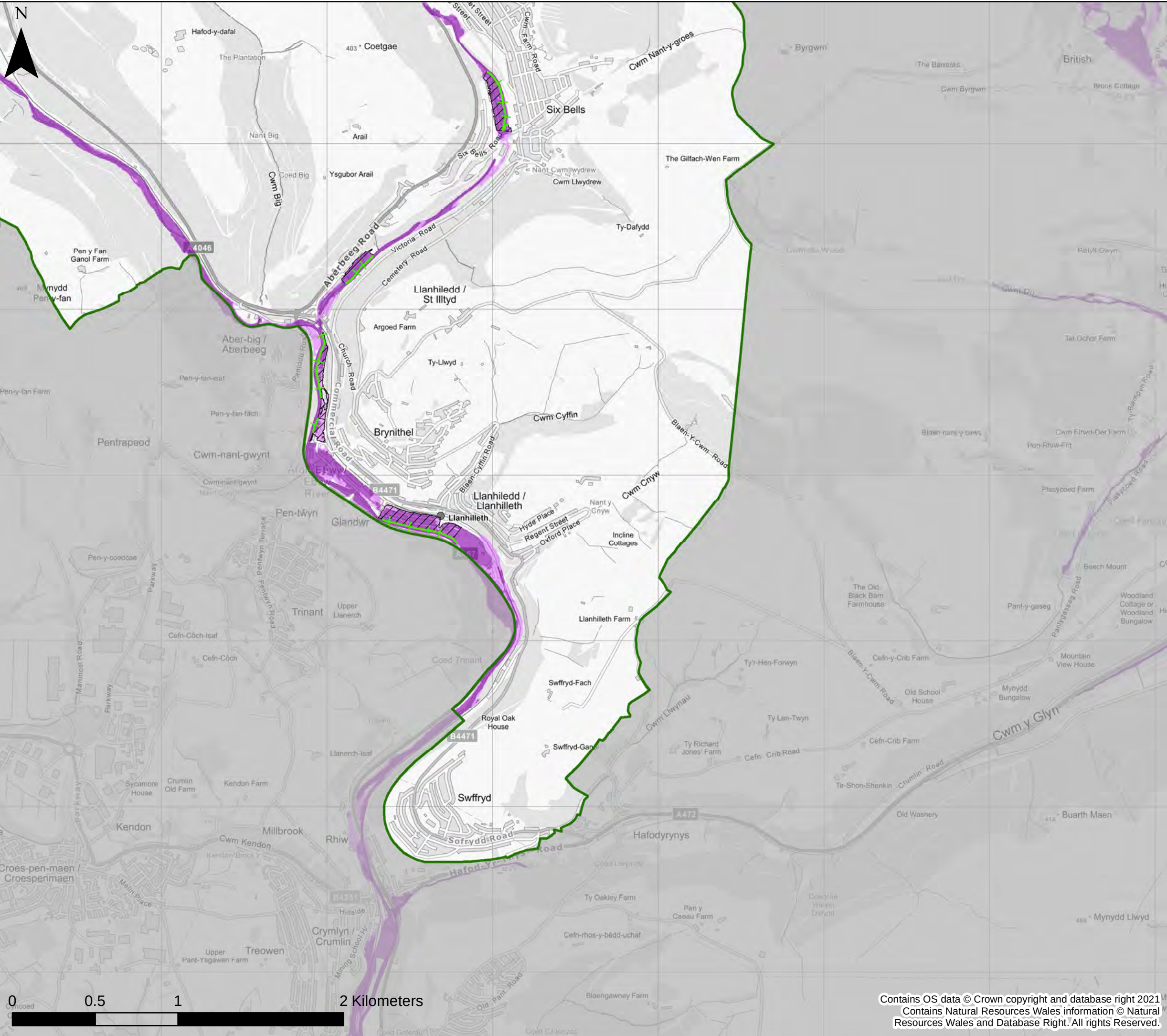
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Map for Planning- Rivers

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- River**
 - Zone 2
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- TAN15 Defended Zones**
 - Rivers
- Flood Defences**
 - Fluvial

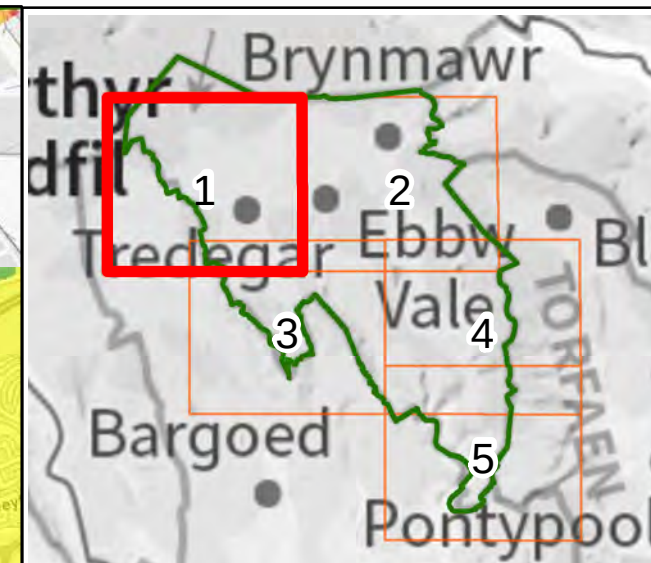
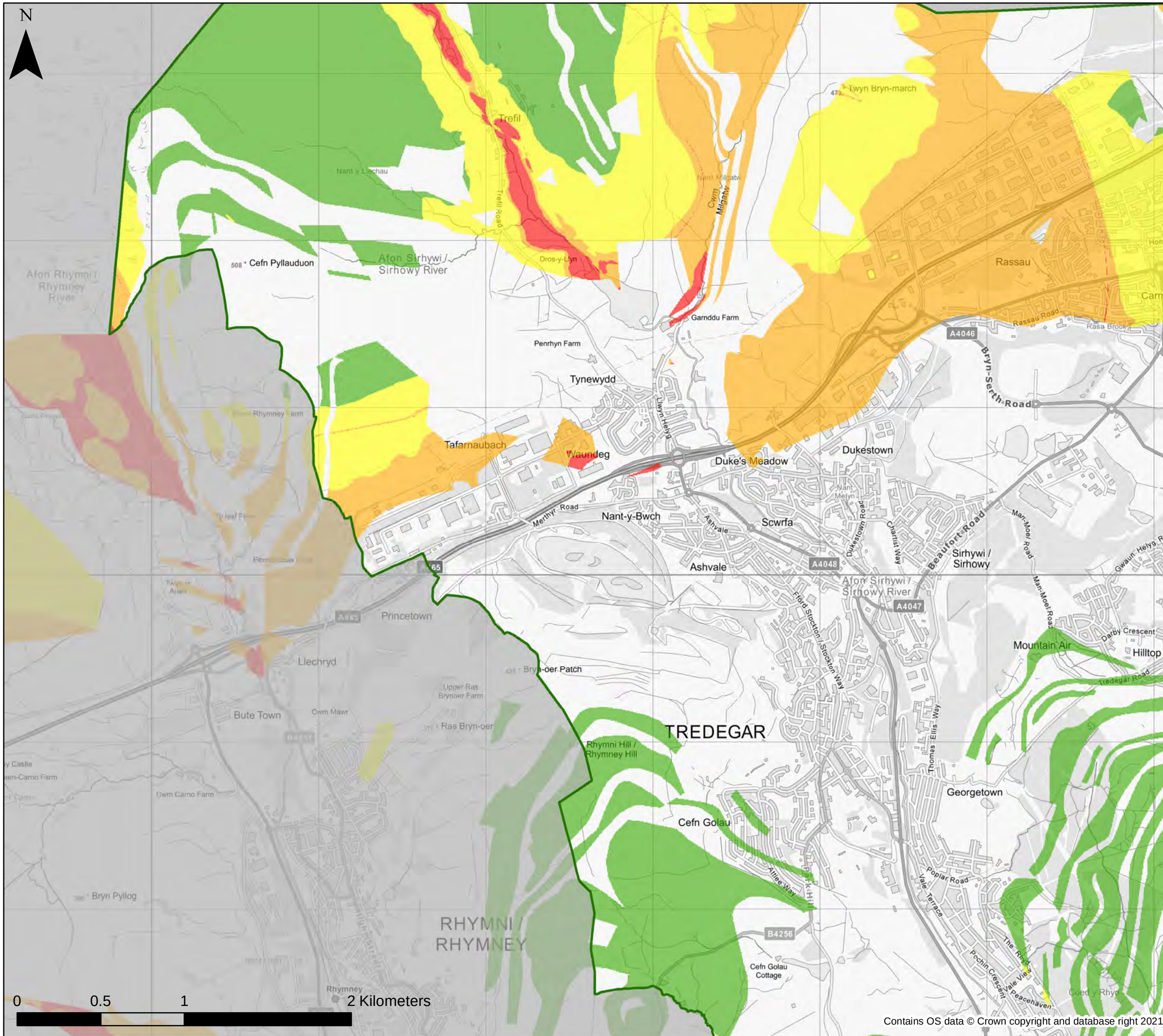
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Map for Planning- Rivers

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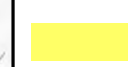


KEY

 Blaenau Gwent County Borough Council Boundary

Groundwater Flood Depth

Indicative Groundwater flood depth

-  Groundwater levels are at least 5m below the ground surface.
-  Groundwater levels are between 0.5m and 5m below the ground surface.
-  Groundwater levels are between 0.025m and 0.5m below the ground surface.
-  Groundwater levels are either at or very near (within 0.025m of) the ground surface.
-  Low risk.

Notes

The map provides an indicative assessment of groundwater flood hazard on a 5m grid. Please refer to Section 4 of the SFCA Report for further detail of the dataset used to define the potential for groundwater emergence. The map shows the flood risk data and information based on the map title and legend. If no data is displayed on the map, or not all features are present, this indicates that the respective flood source or features are not present within this area.



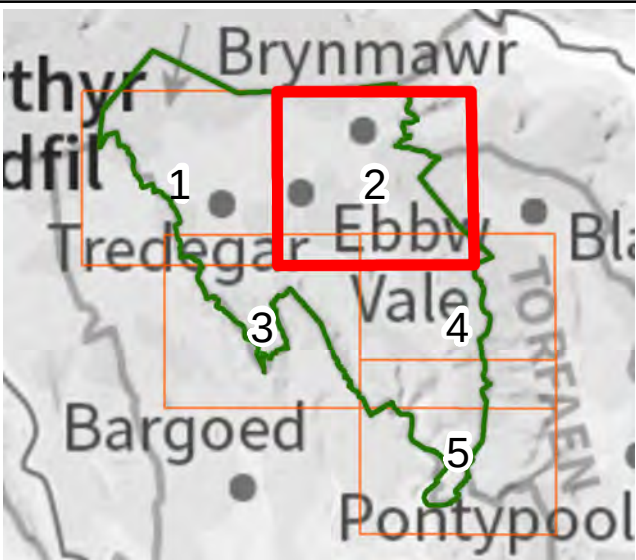
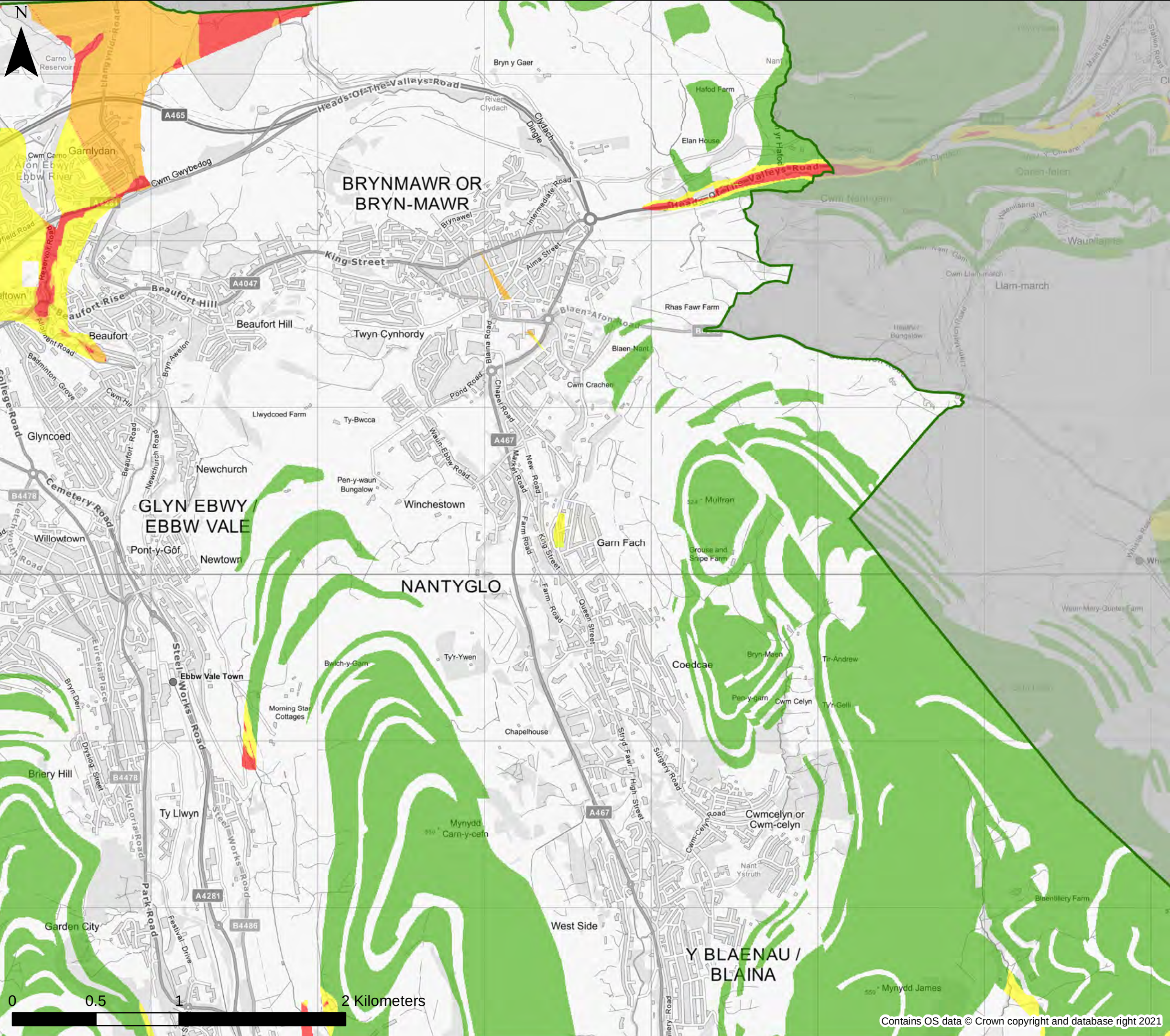
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Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Risk from Groundwater*

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KEY

Blaenau Gwent County Borough Council Boundary

Groundwater Flood Depth

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County Borough Council

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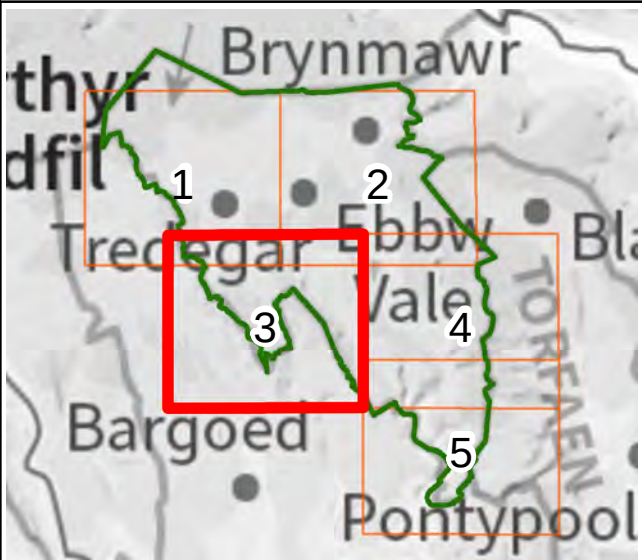
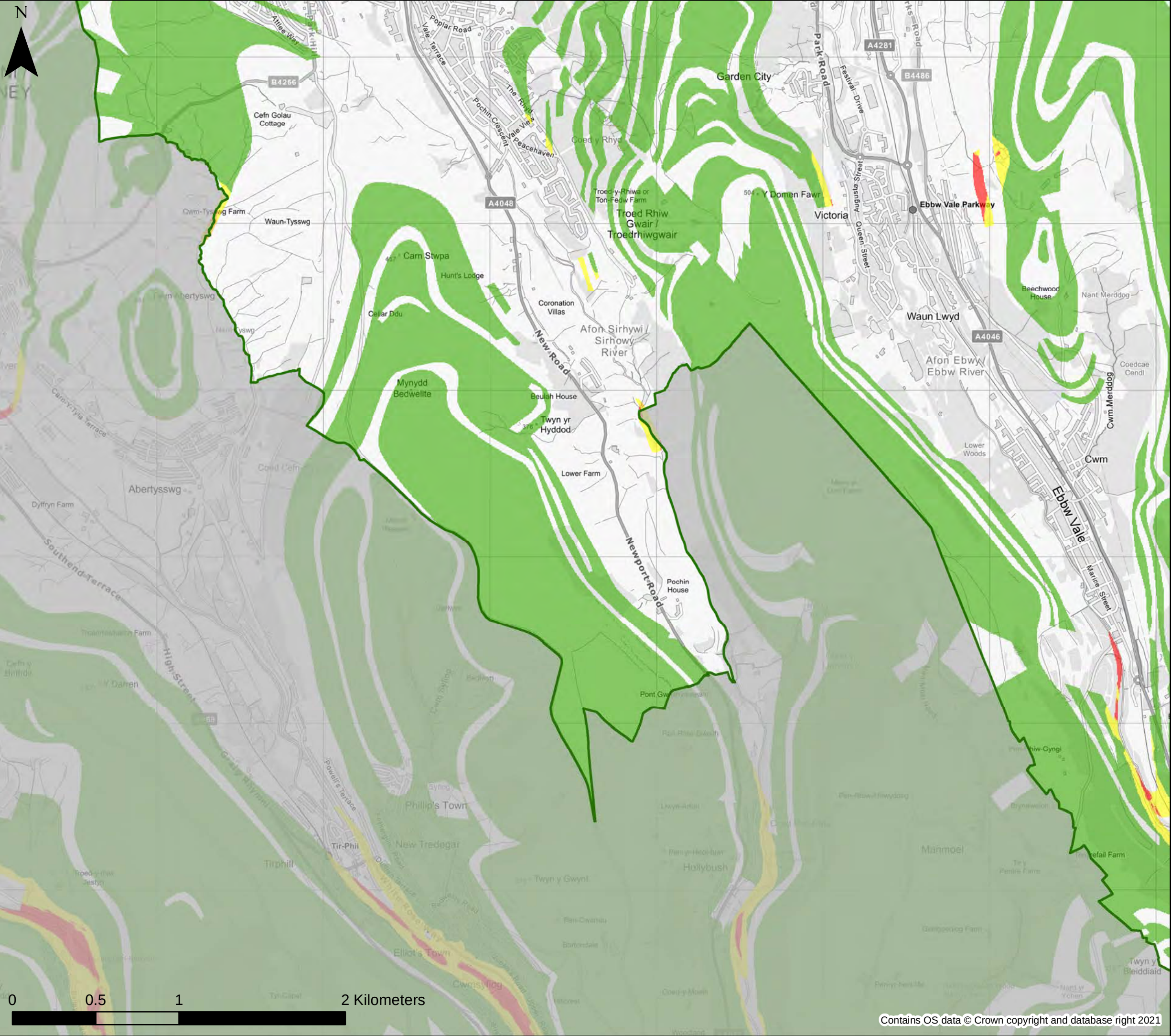
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Stage 1 Strategic Flood Consequences Assessment

Flood Risk from Groundwater

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KEY

- Blaenau Gwent County Borough Council Boundary
- Groundwater Flood Depth**
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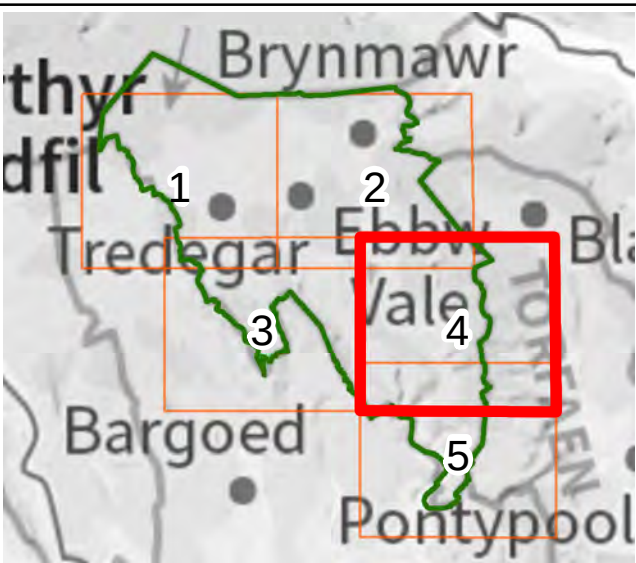
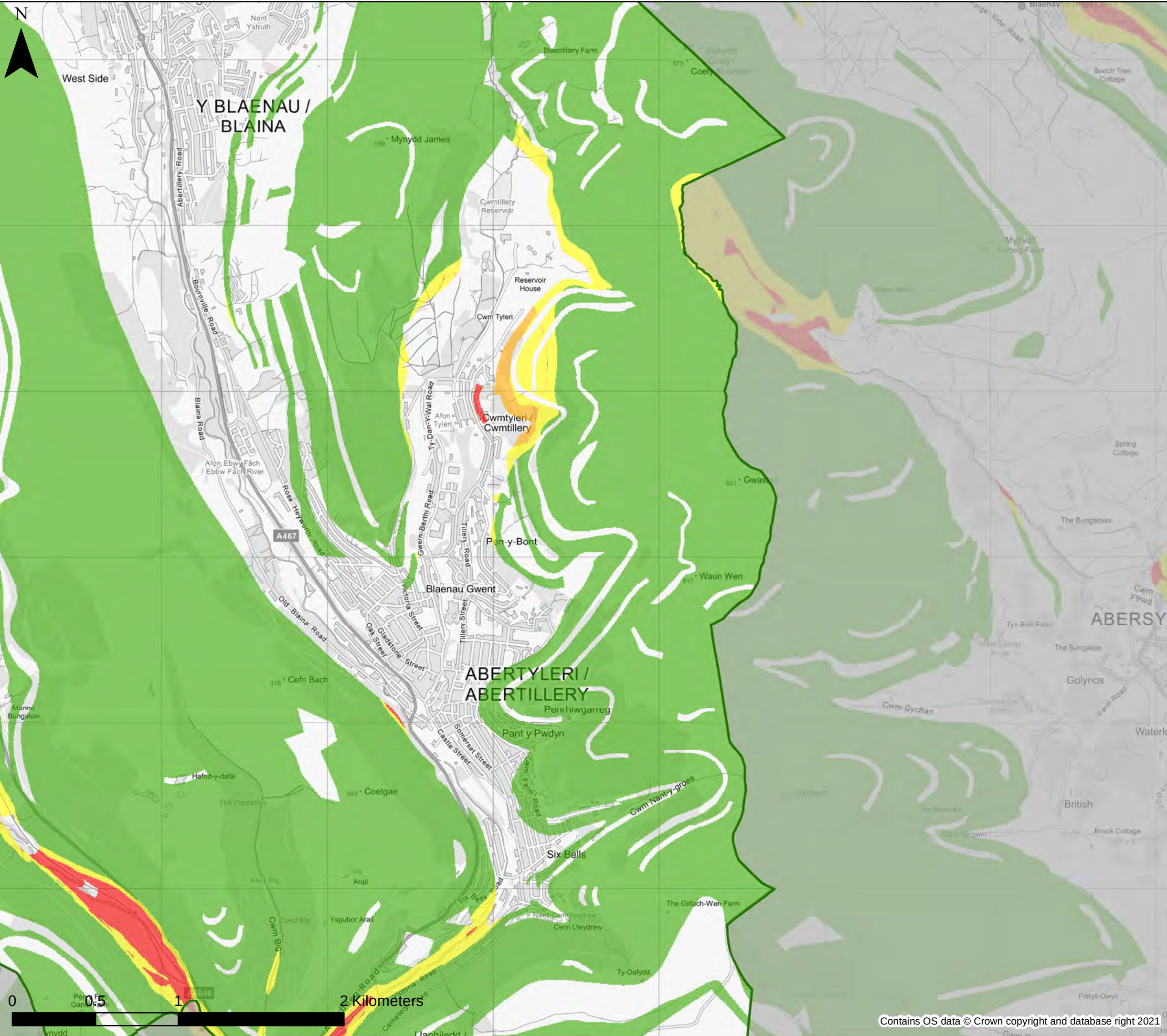
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Groundwater

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- Groundwater Flood Depth**
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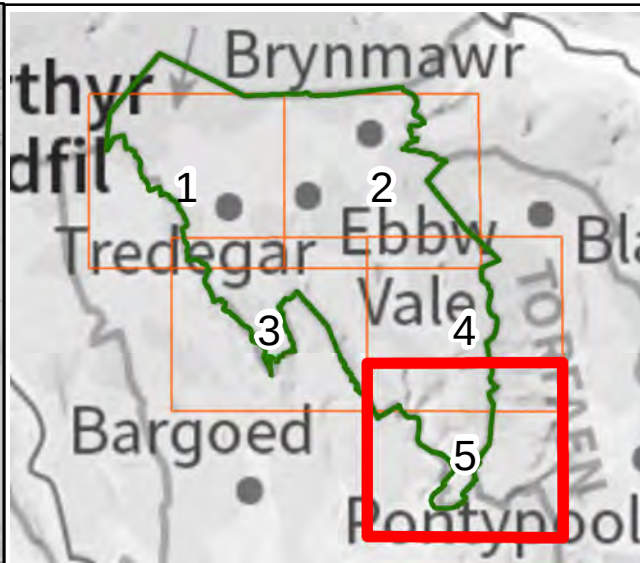
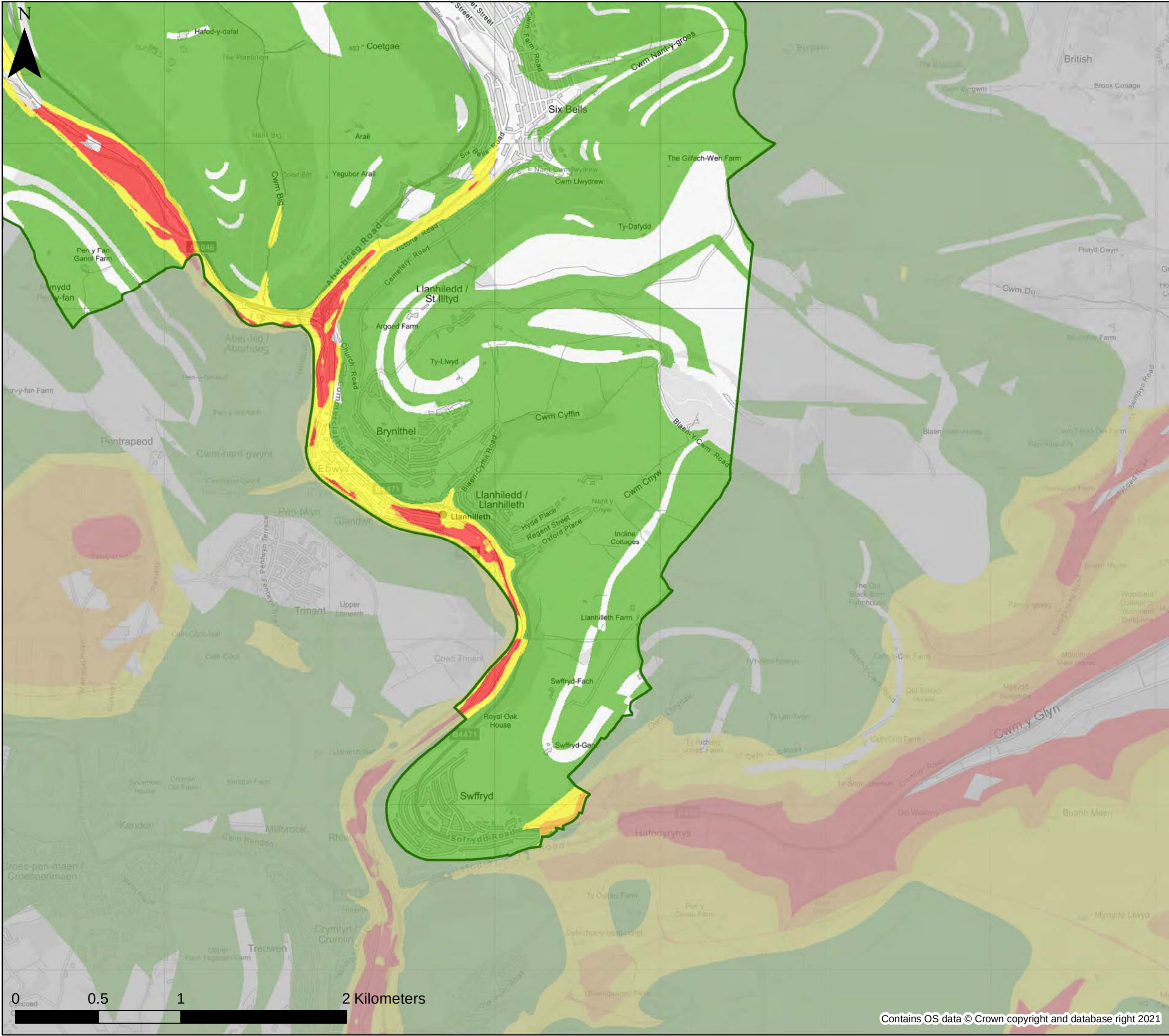
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Groundwater

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KEY

 Blaenau Gwent County Borough Council Boundary

Groundwater Flood Depth

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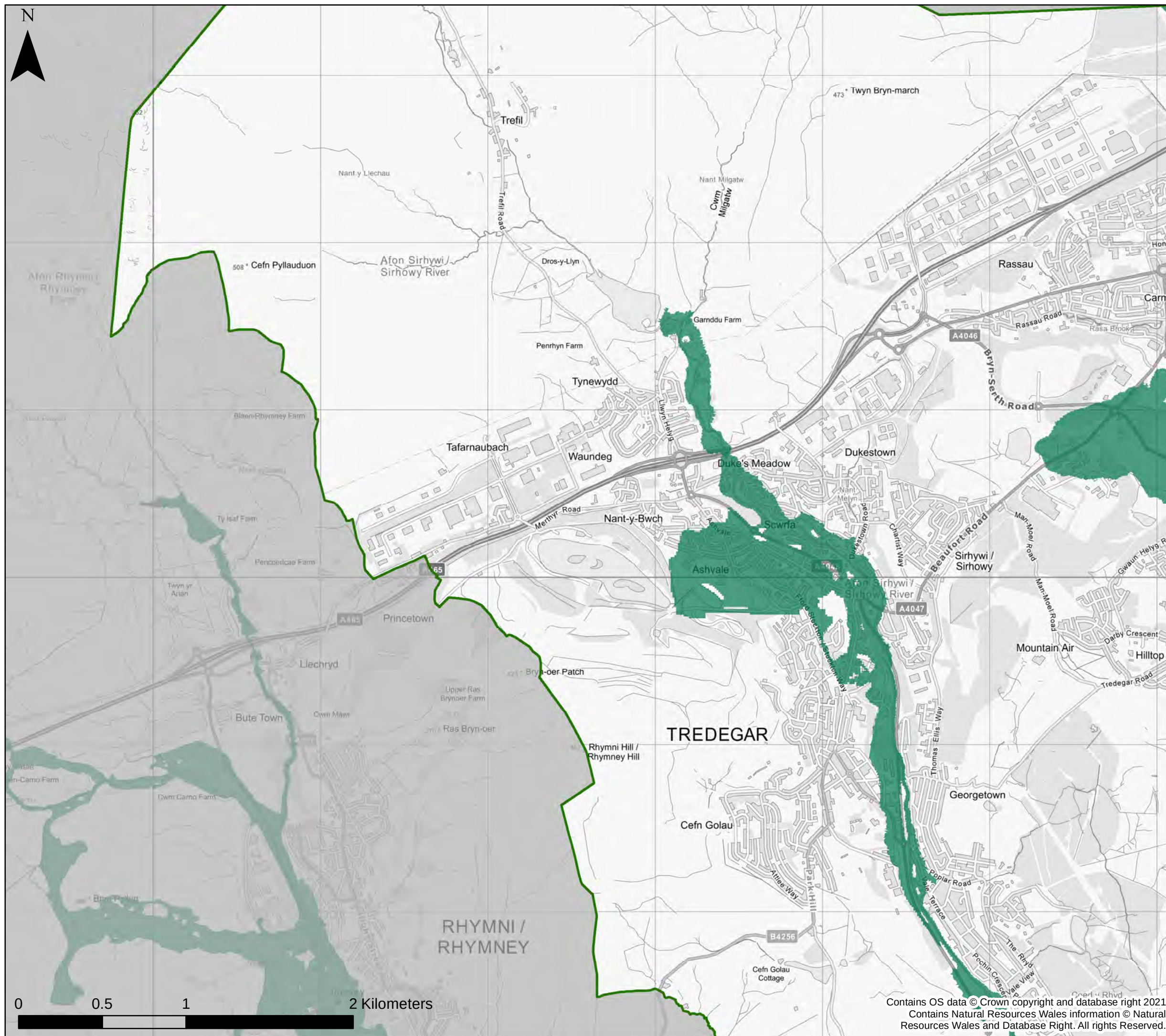
Blaenau Gwent
County Borough Council

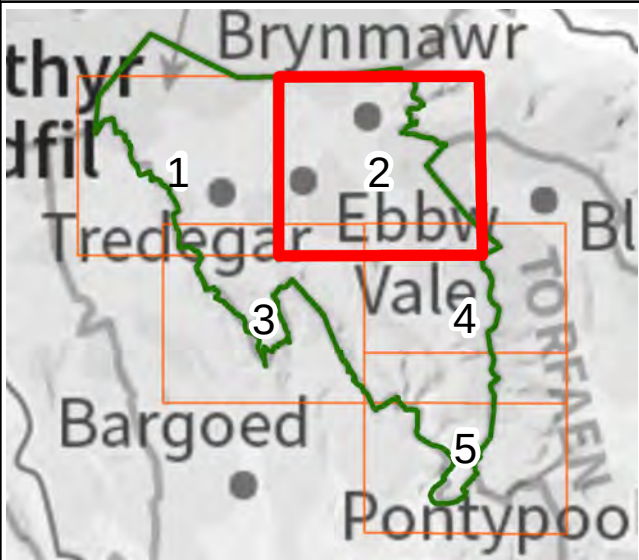
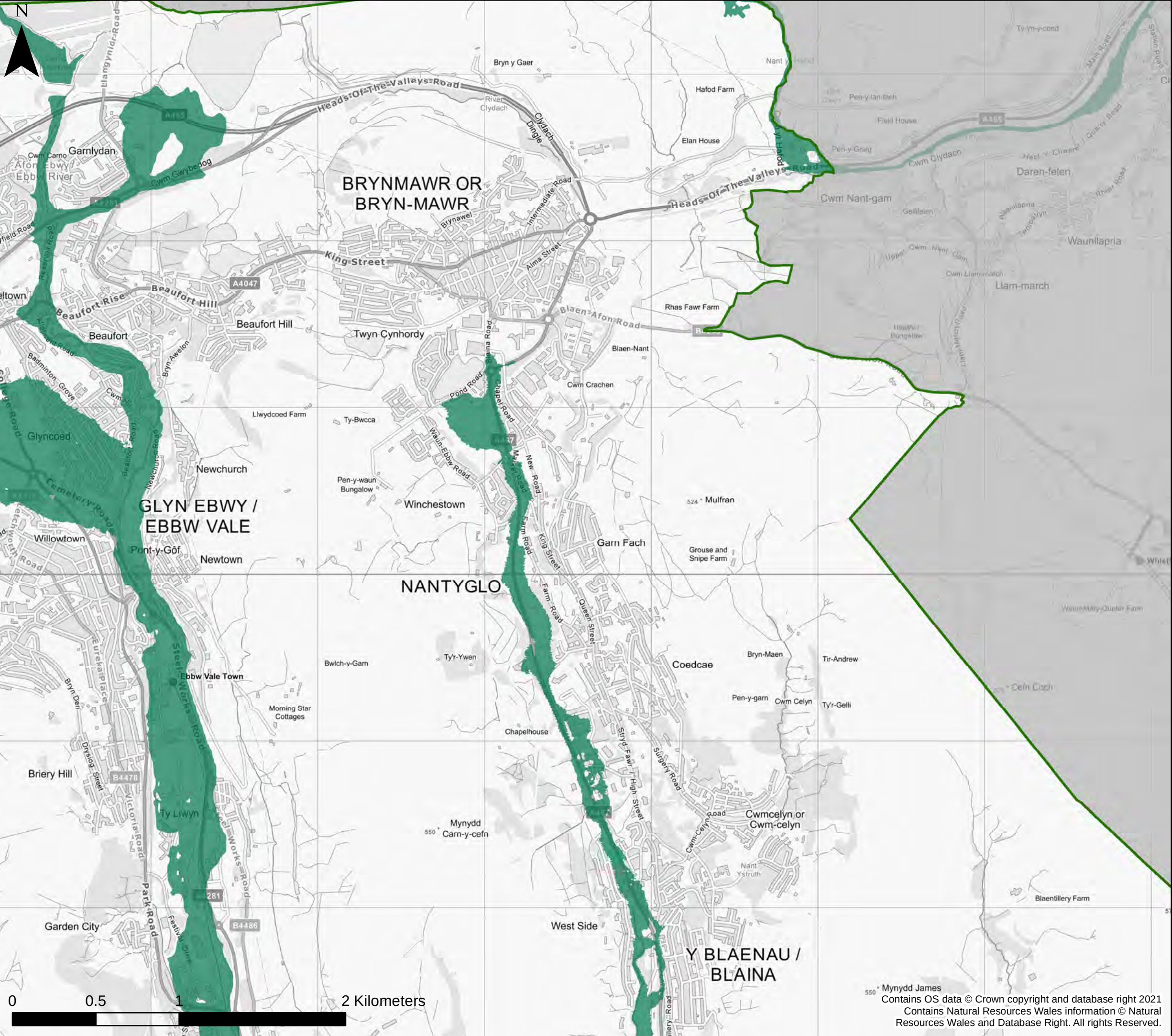


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Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Groundwater

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KEY

-  Blaenau Gwent County Borough Council Boundary
-  Flood Risk from Reservoirs

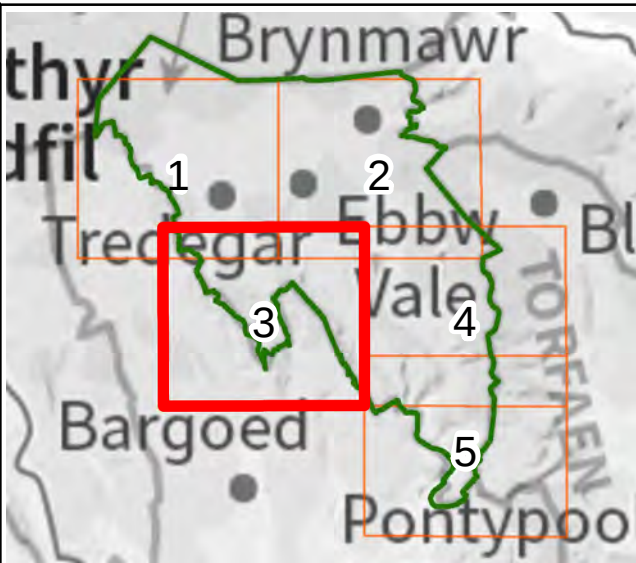
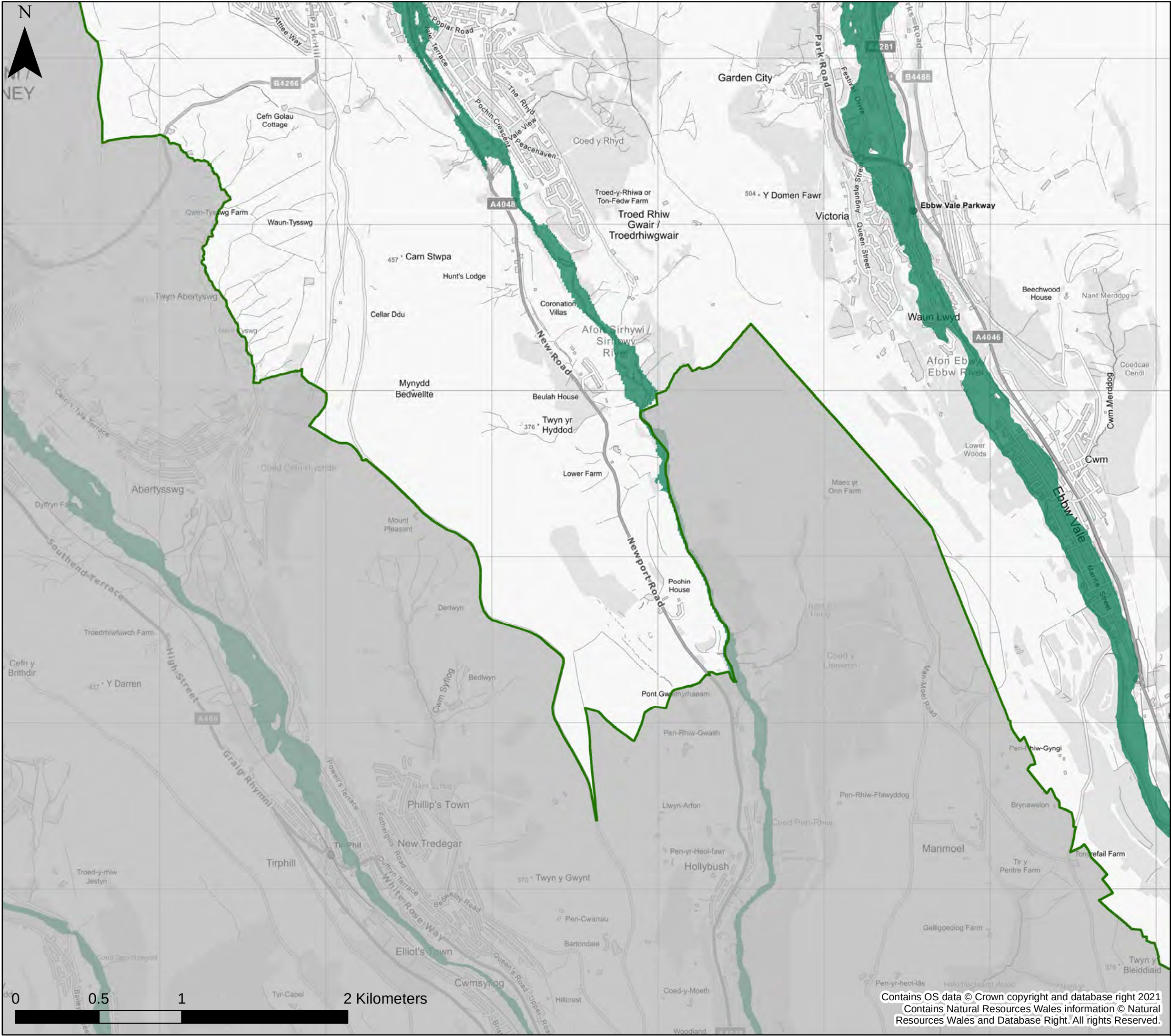
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Reservoirs

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KEY

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-  Flood Risk from Reservoirs

Notes
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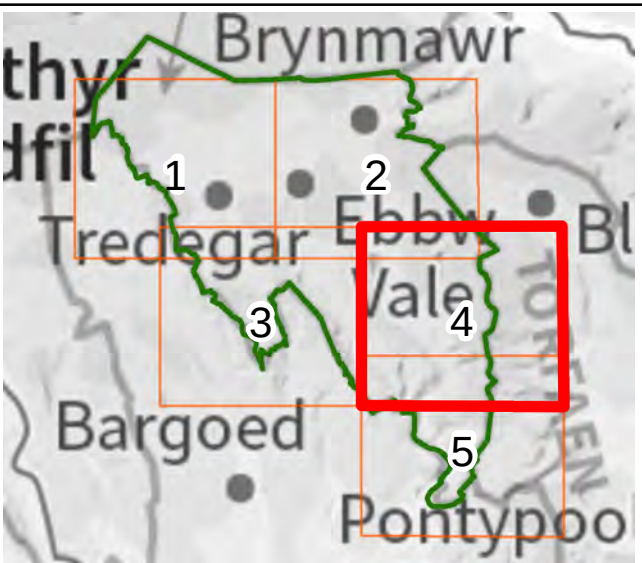
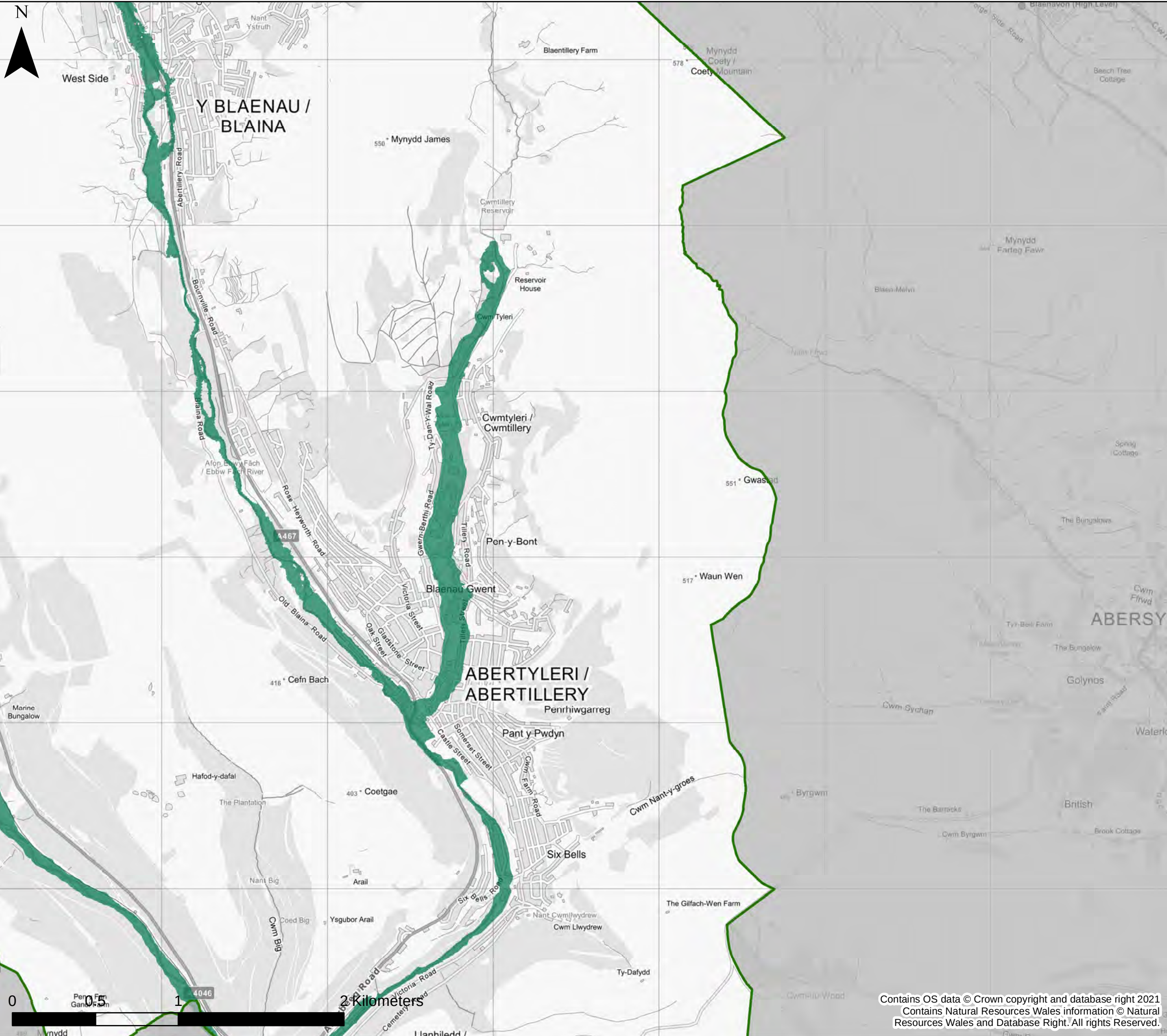


Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Reservoirs

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KEY

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-  Flood Risk from Reservoirs

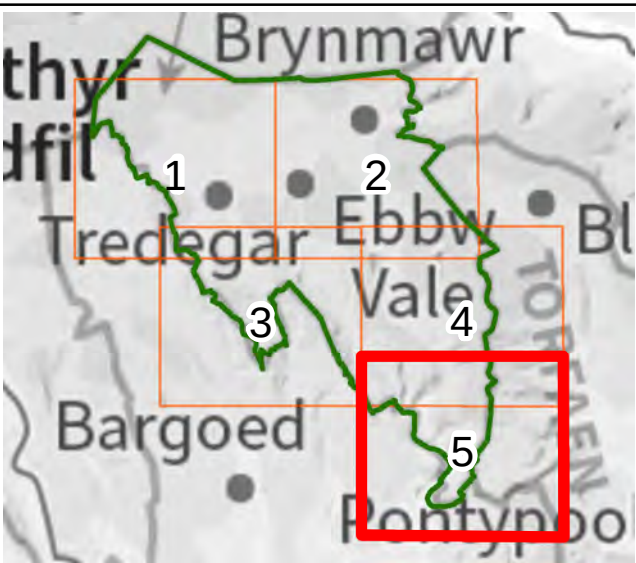
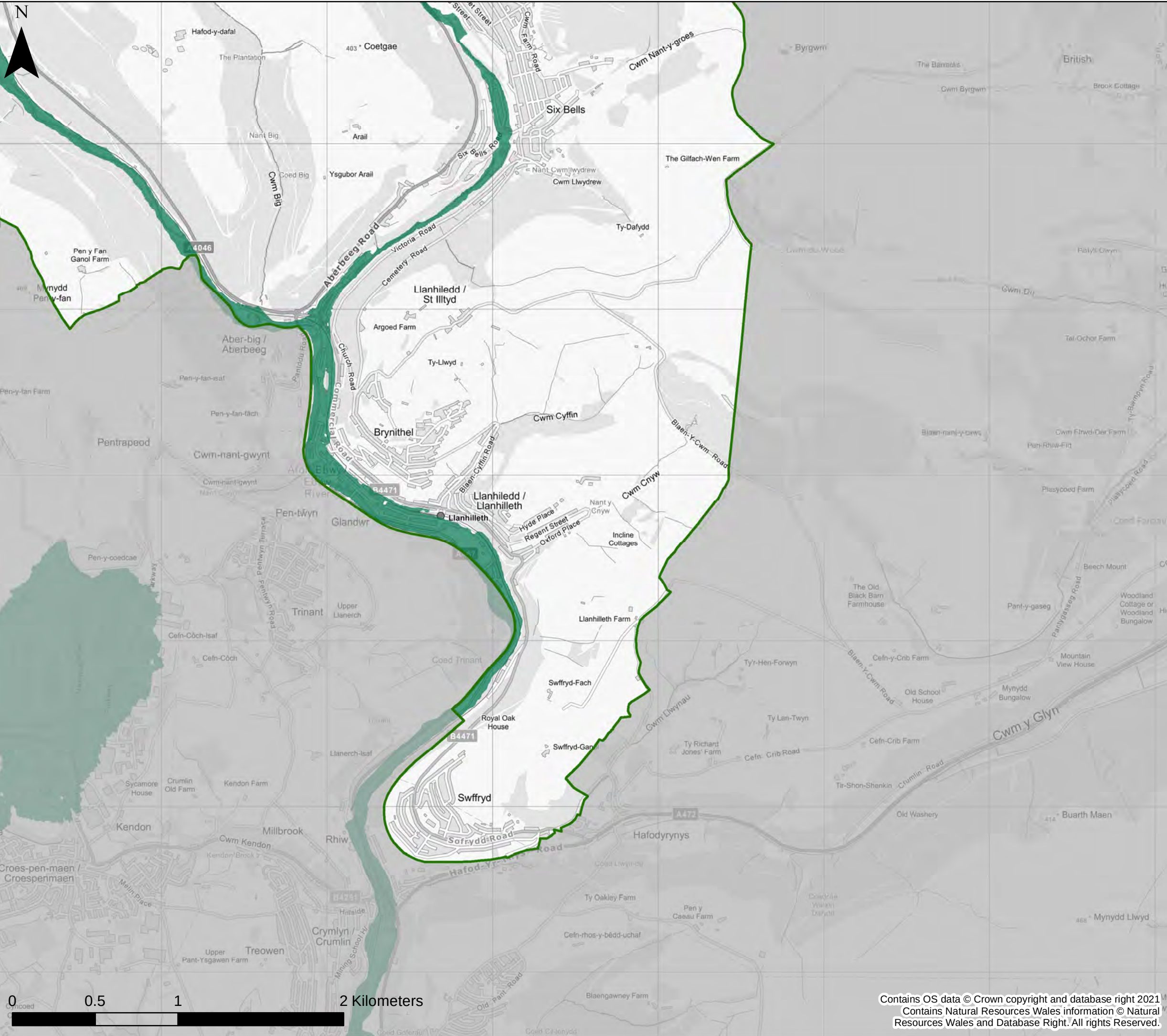
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Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Reservoirs

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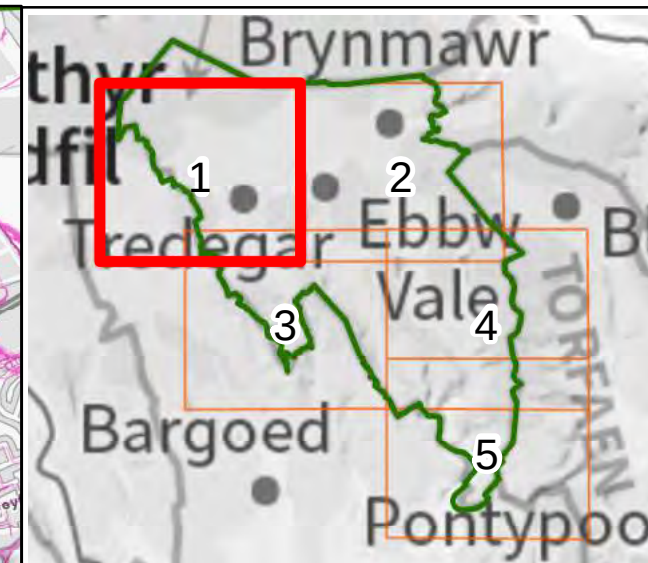
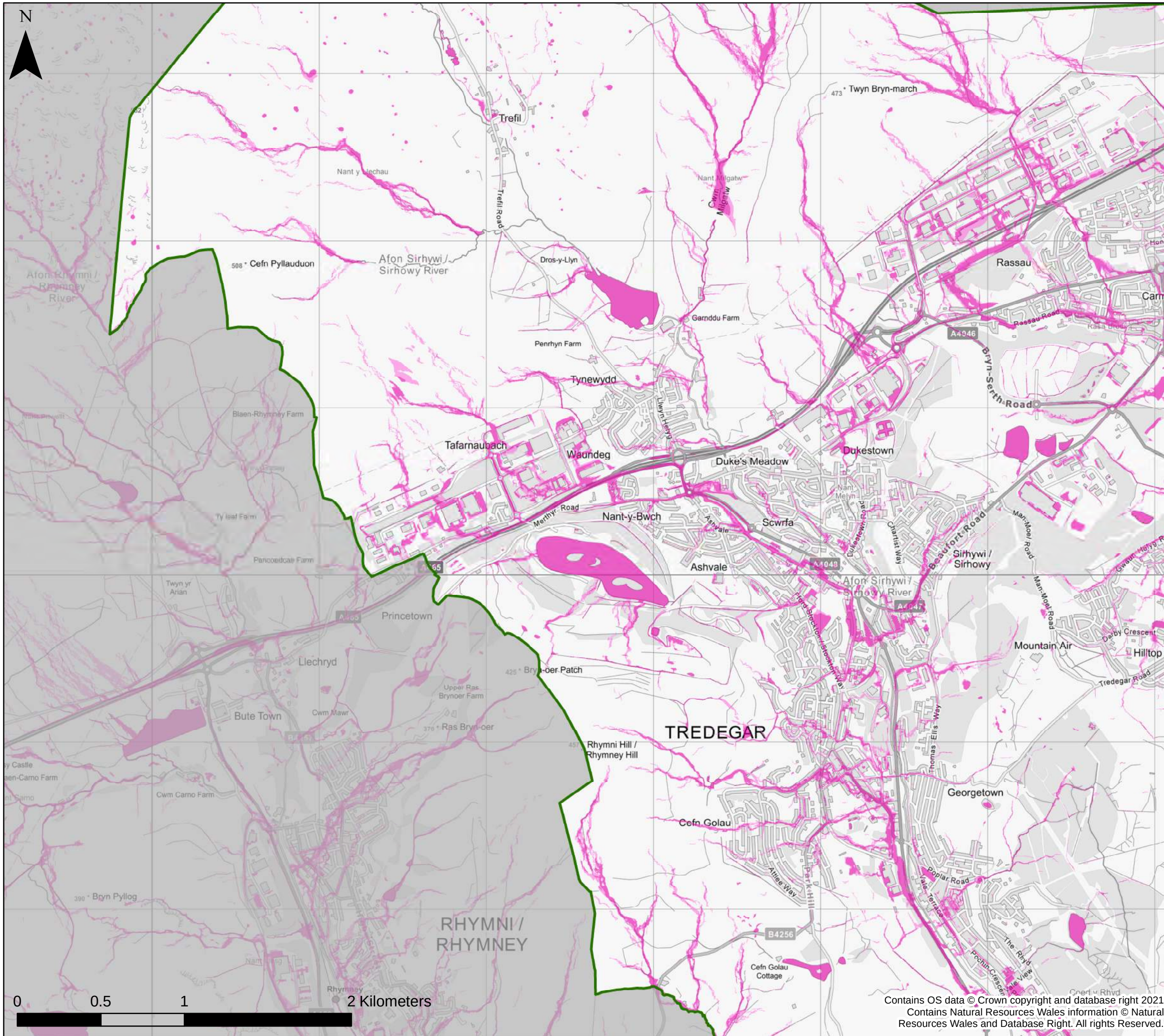
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Risk from Reservoirs

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KEY

 Blaenau Gwent County Borough Council Boundary

Surface Water and Small Watercourses

 Zone 2
 Zone 3

Notes

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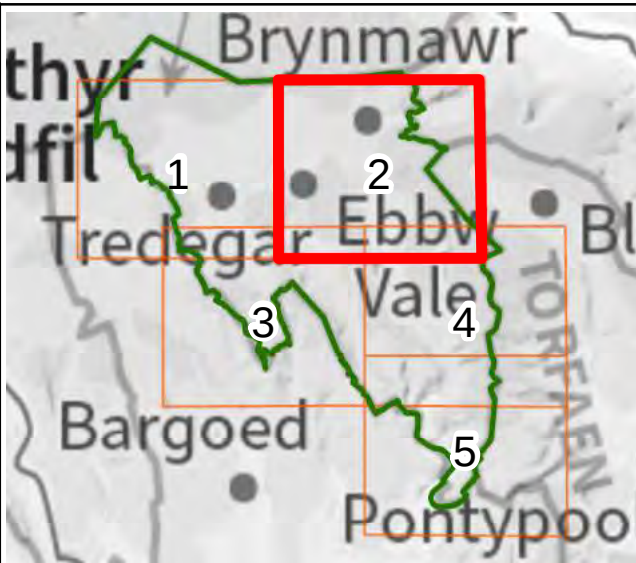
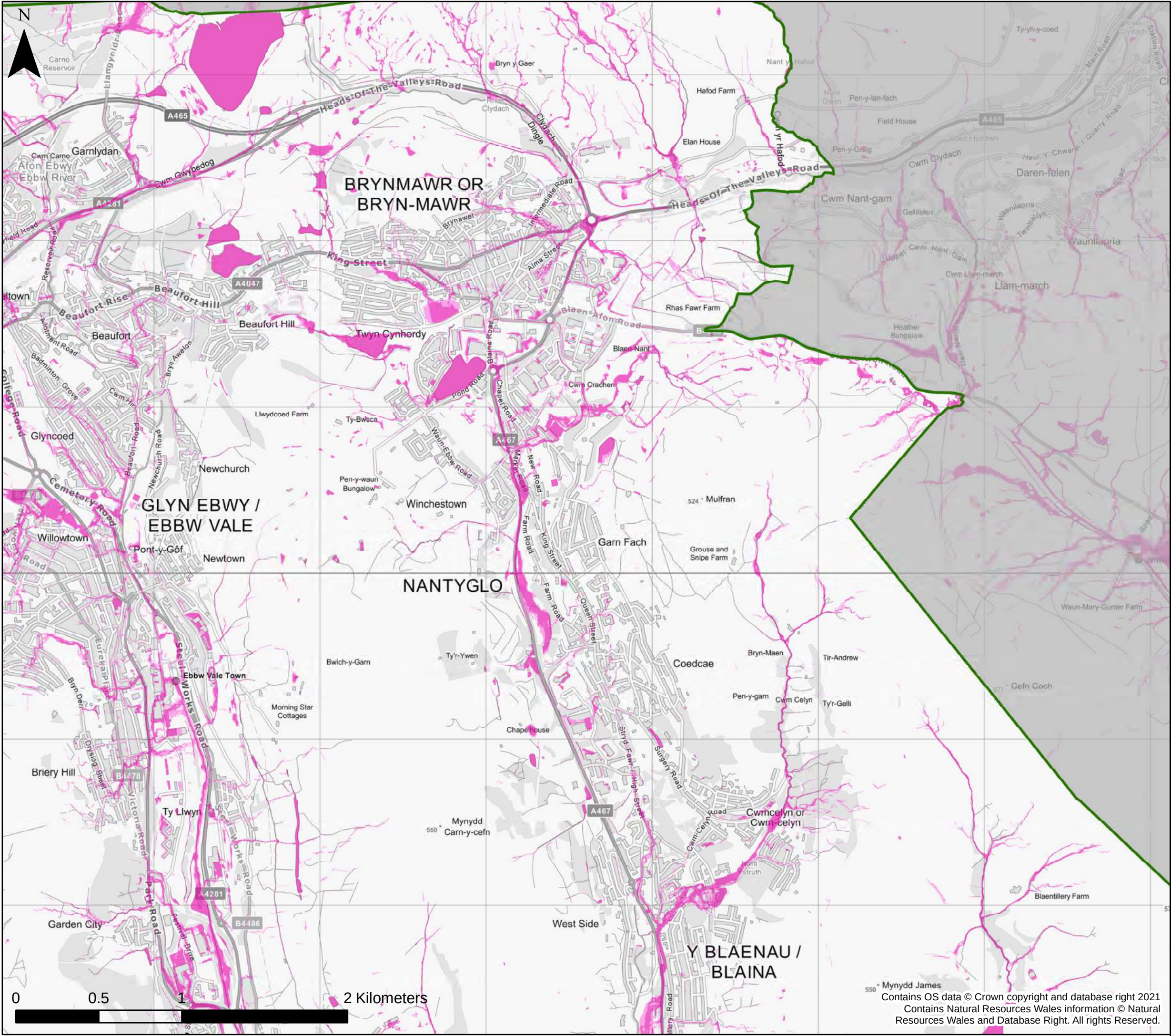


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Flood Map for Planning- Surface Water and Small Watercourses*

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KEY

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-  Zone 2
-  Zone 3

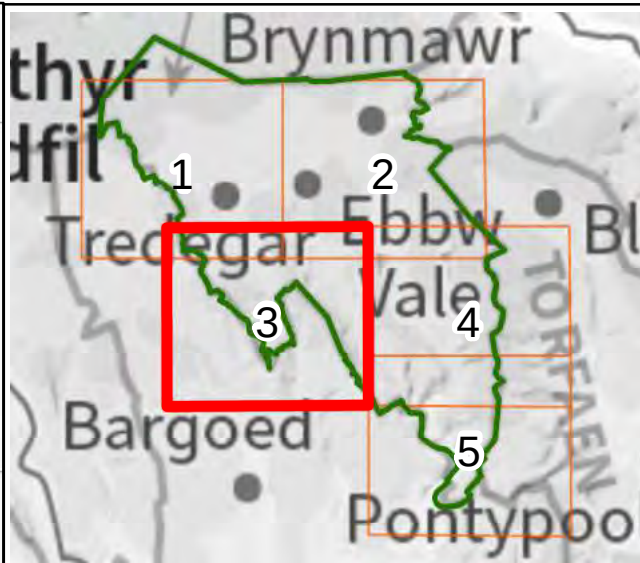
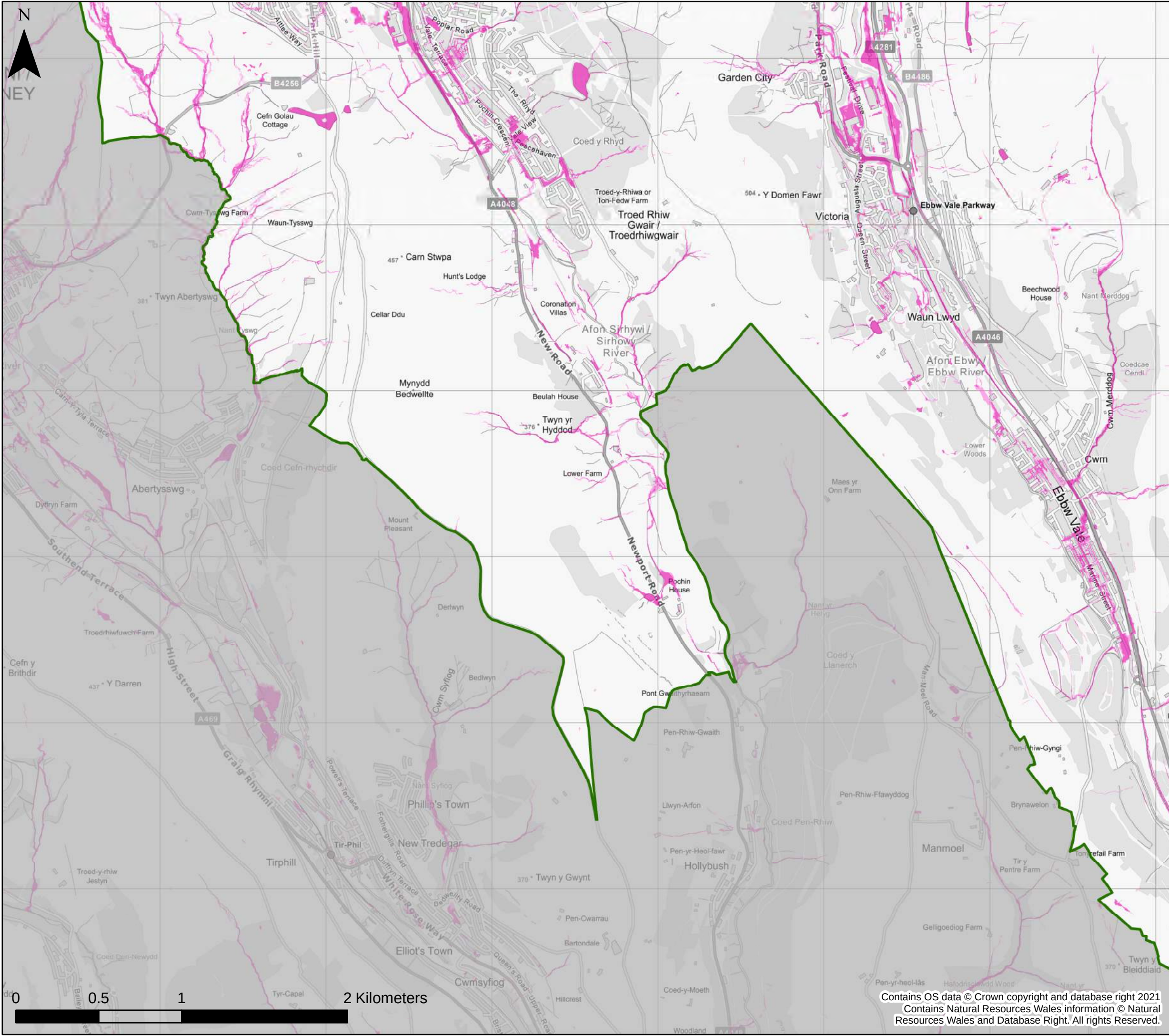
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Map for Planning- Surface Water and Small Watercourses

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KEY

- Blaenau Gwent County Borough Council Boundary
- Surface Water and Small Watercourses**
- Zone 2
- Zone 3

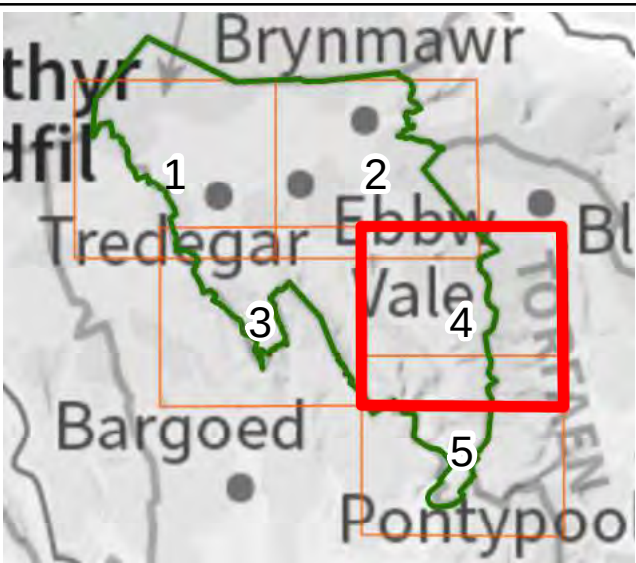
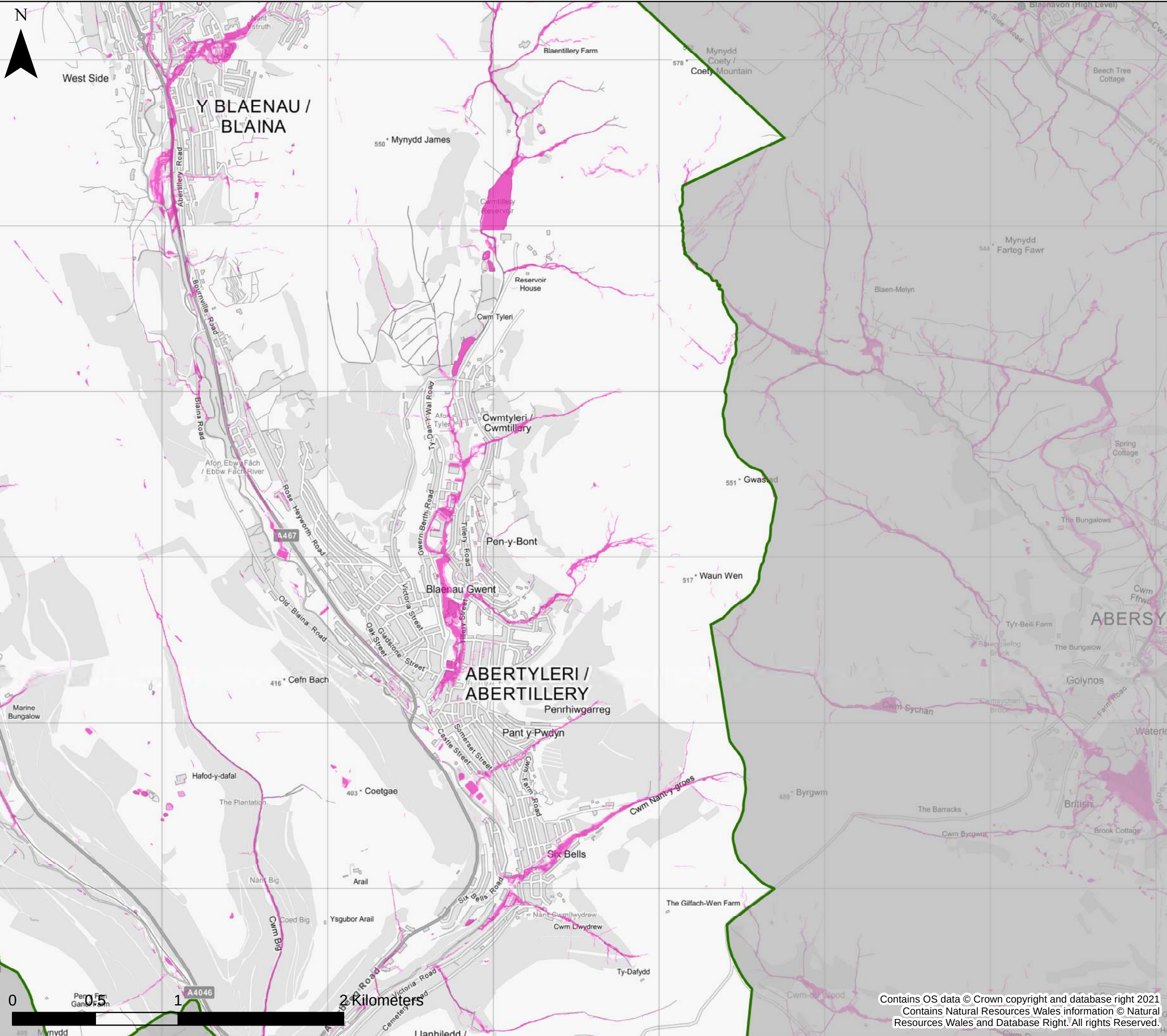
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Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
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- Blaenau Gwent County Borough Council Boundary
- Surface Water and Small Watercourses**
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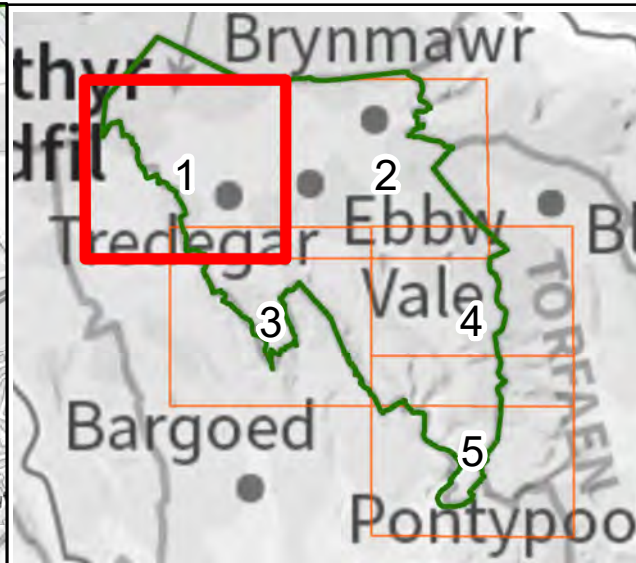
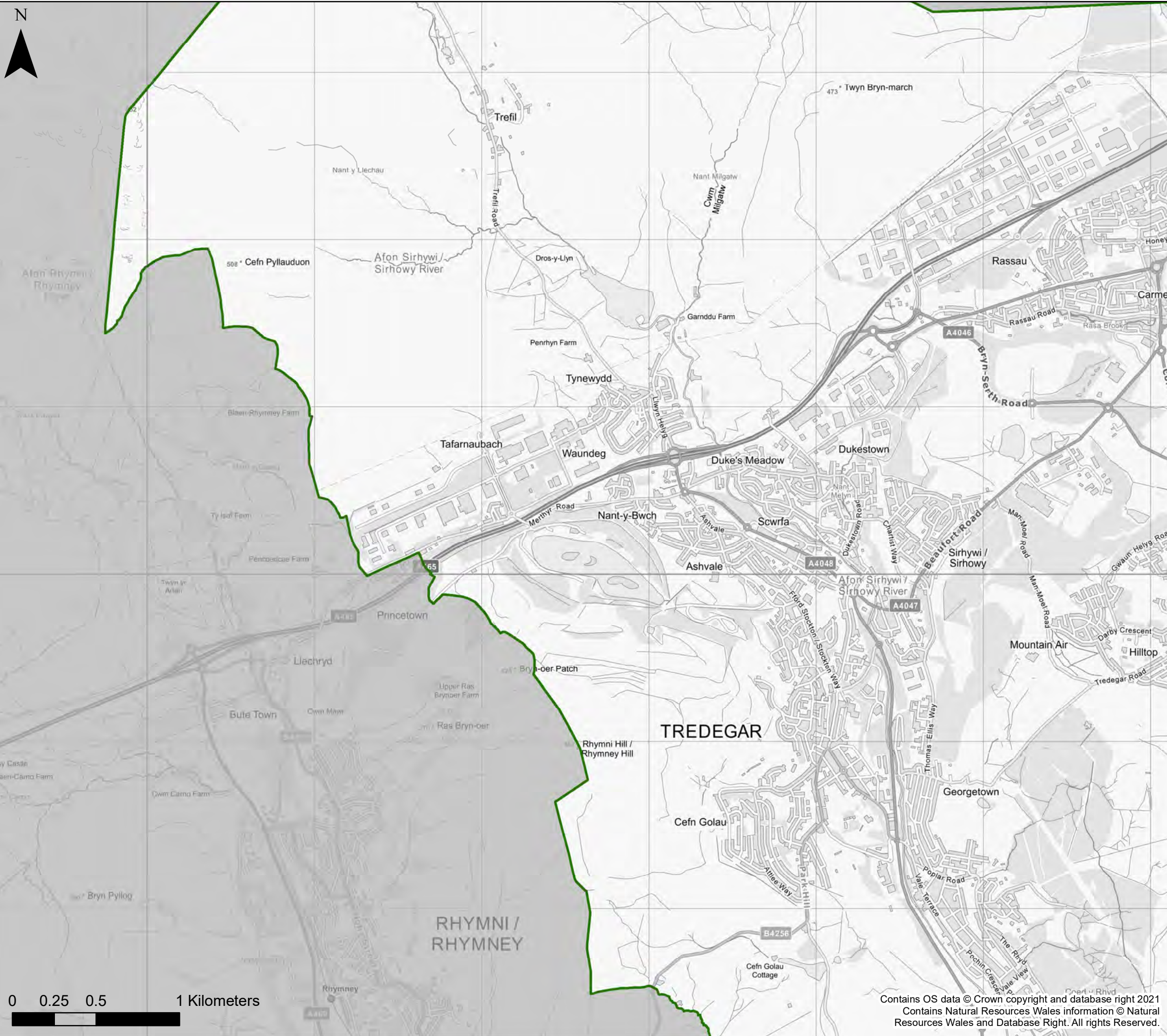


Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Flood Map for Planning- Surface Water and Small Watercourses

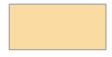
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KEY

-  Blaenau Gwent County Borough Council Boundary
-  NRW Recorded Flood Extents

Notes
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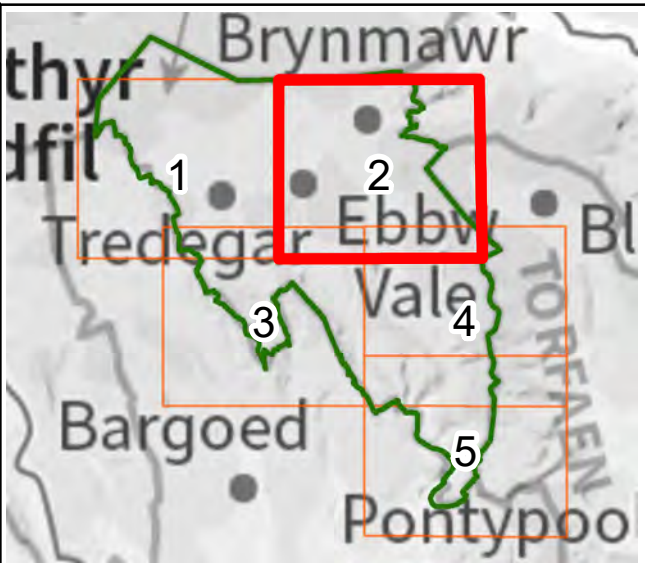
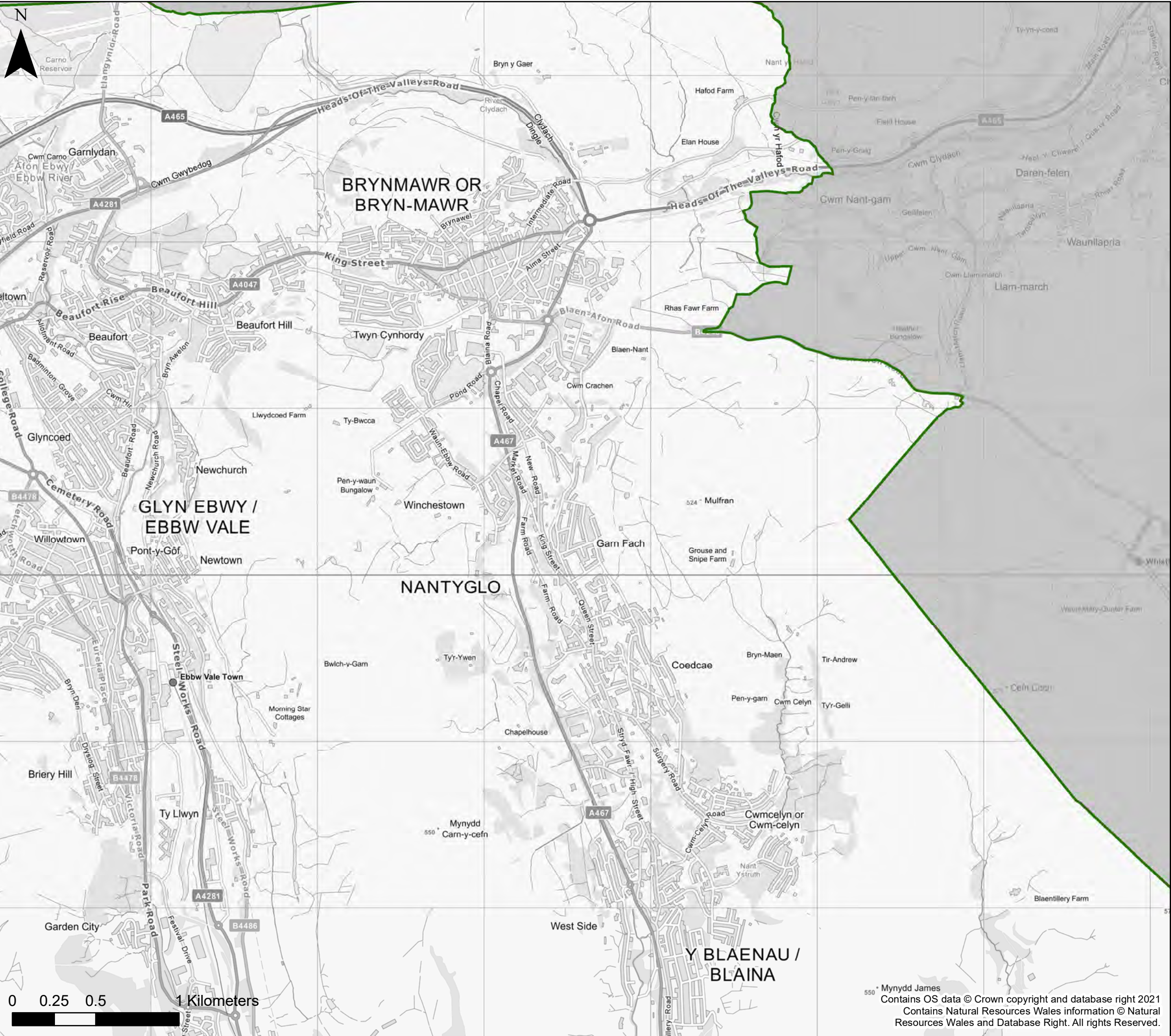
Blaenau Gwent County Borough Council
Stage 1 Strategic Flood Consequences Assessment
Historic Flooding

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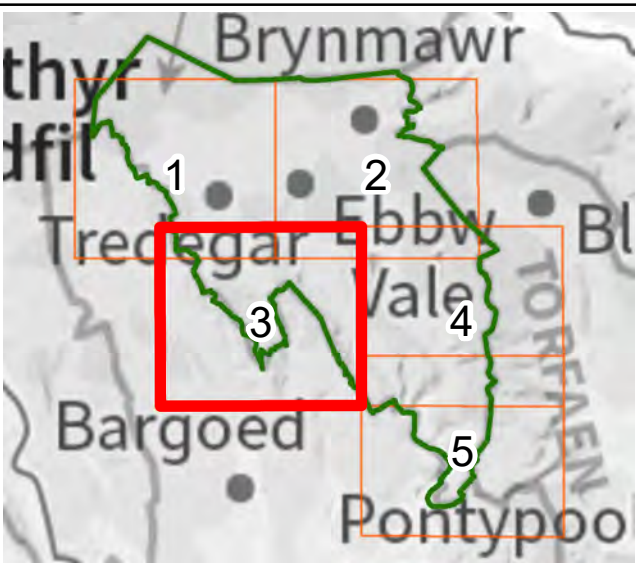
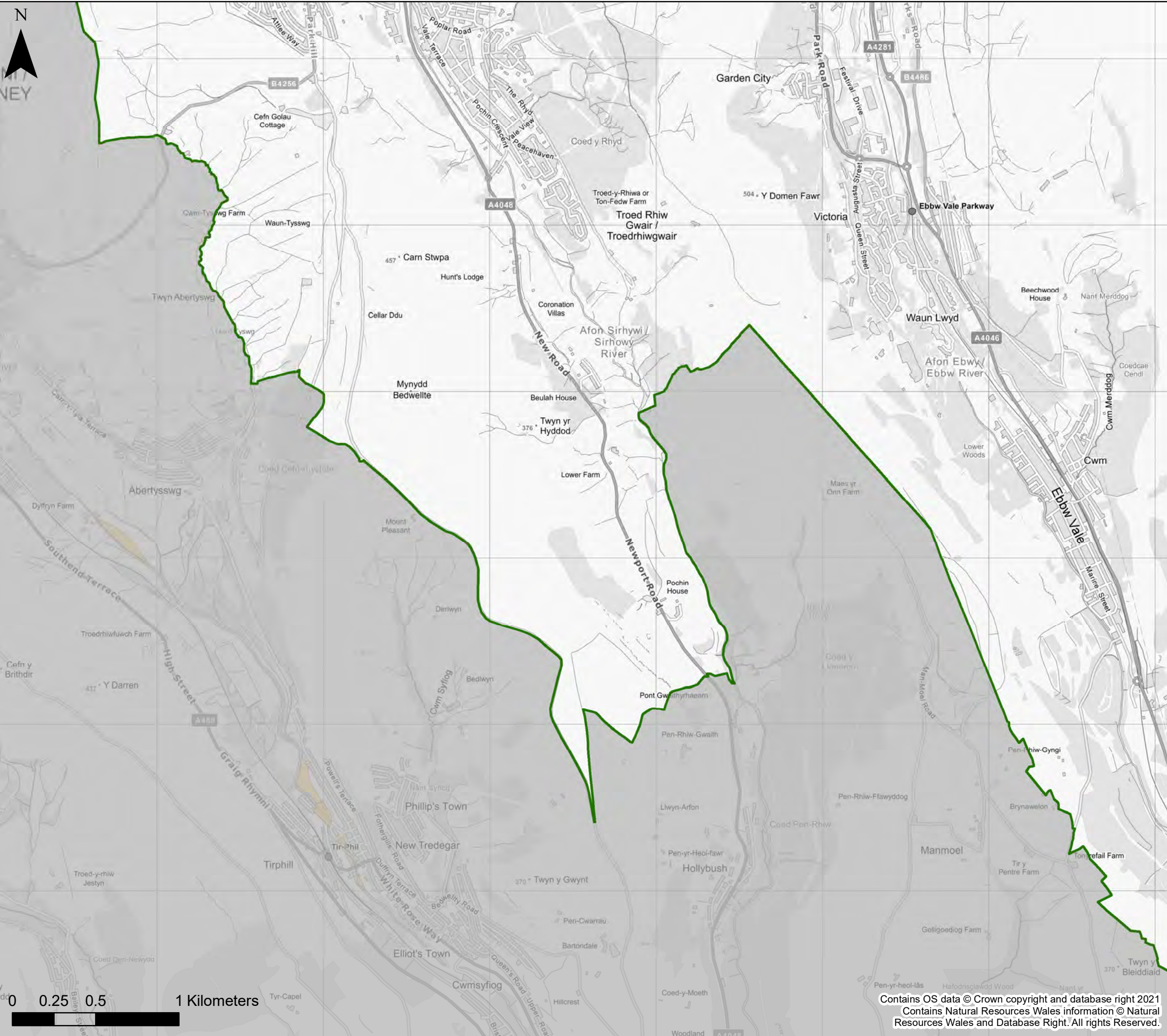
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Stage 1 Strategic Flood Consequences Assessment
Historic Flooding

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County Borough Council



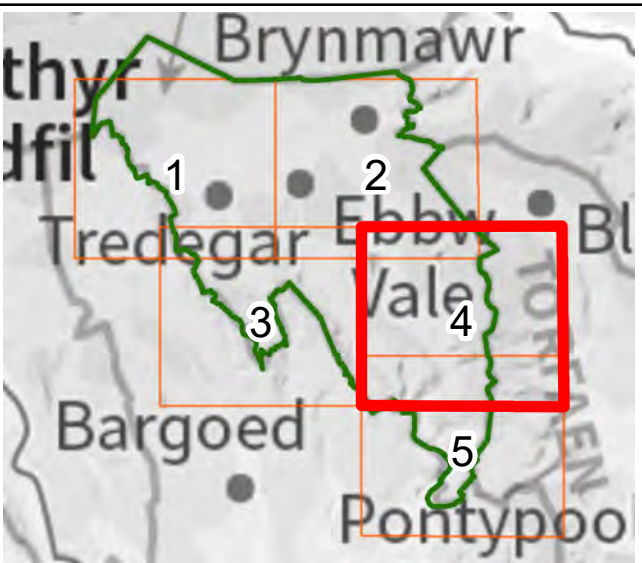
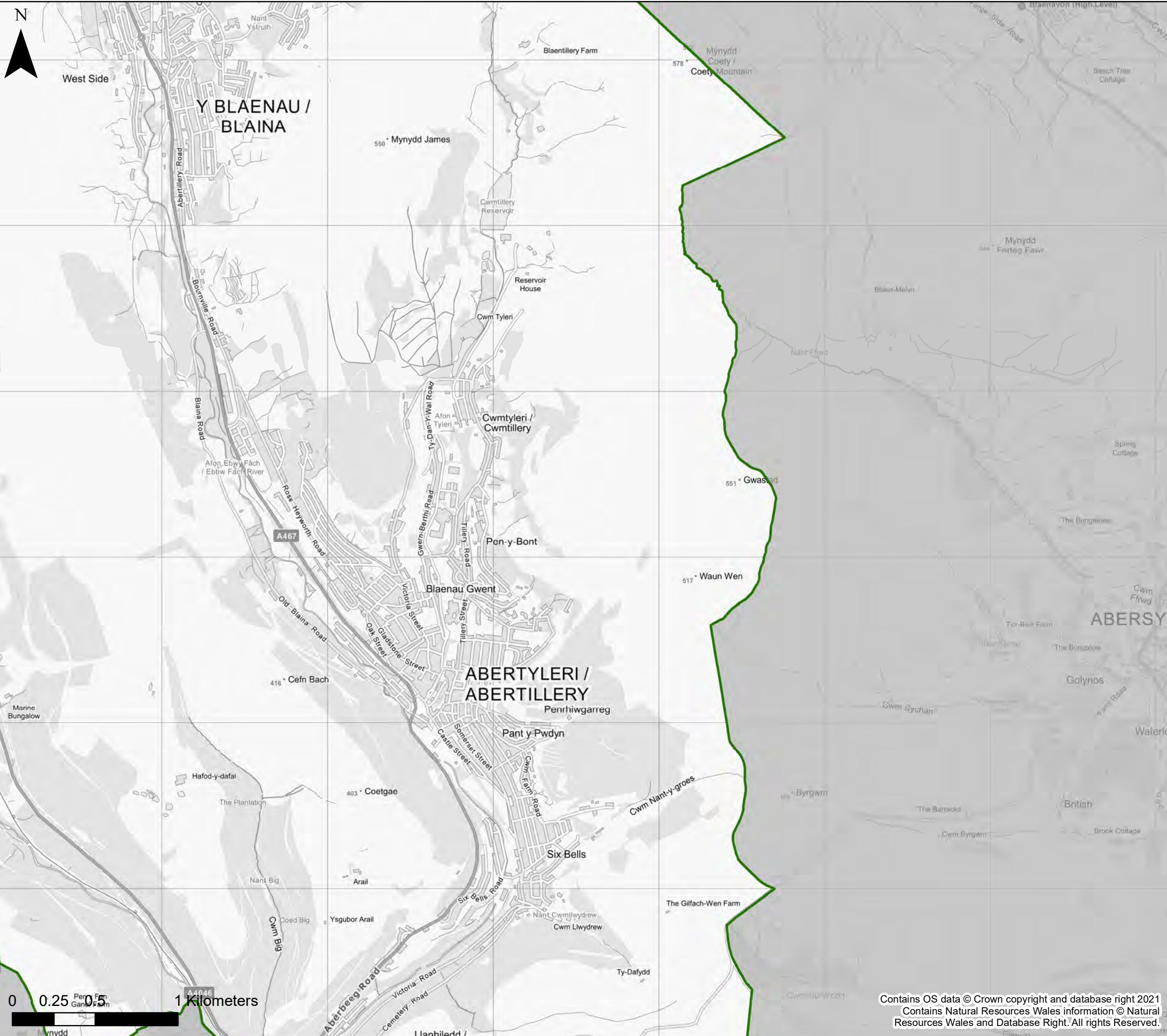
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Stage 1 Strategic Flood Consequences Assessment
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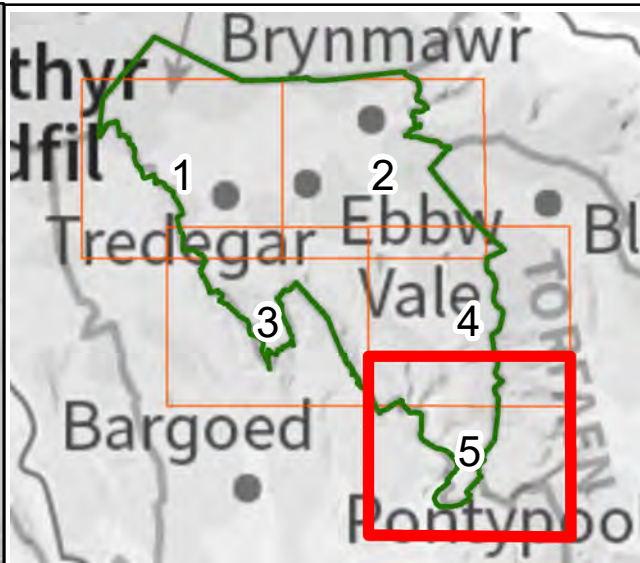
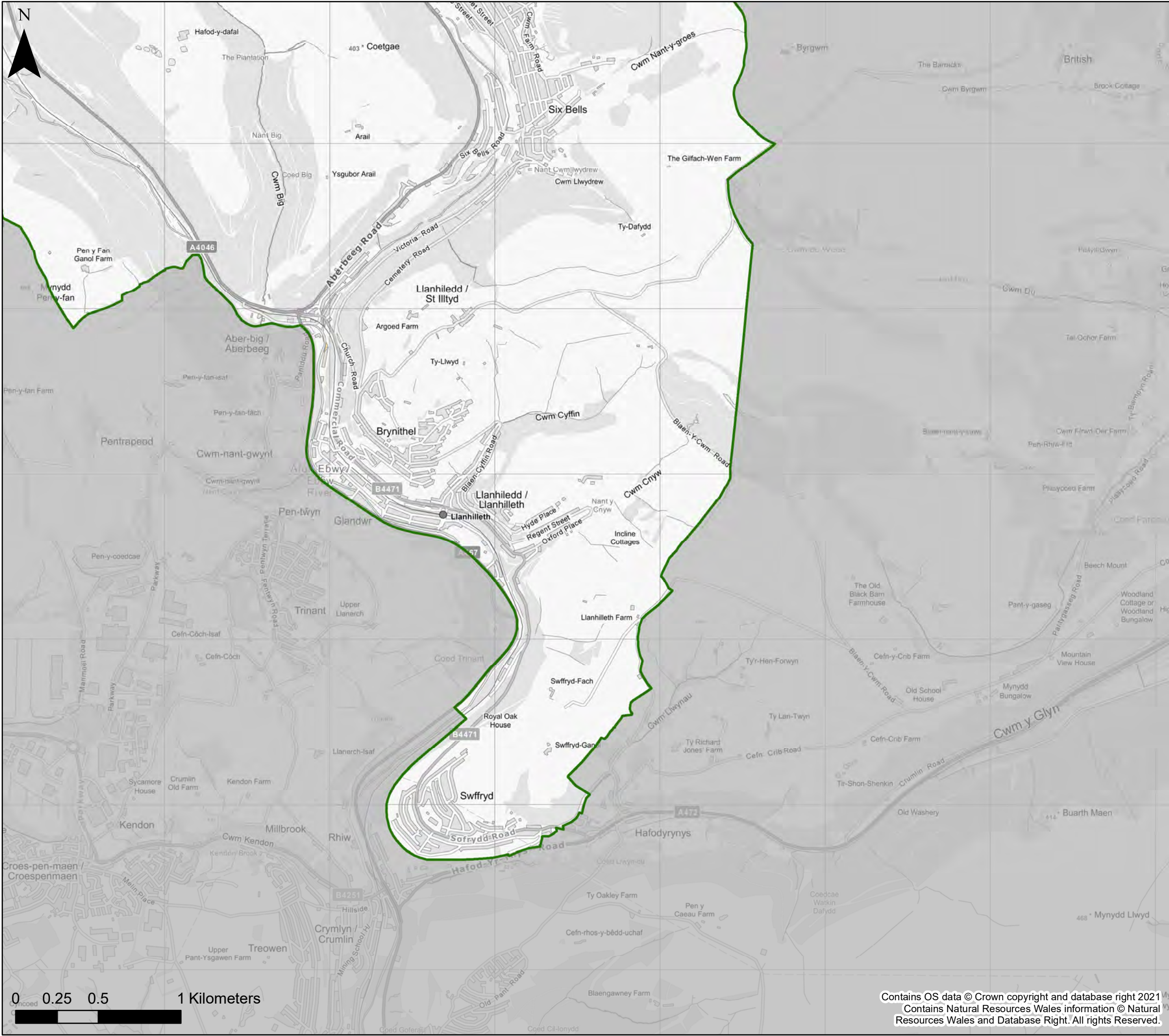
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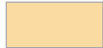
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Stage 1 Strategic Flood Consequences Assessment
Historic Flooding

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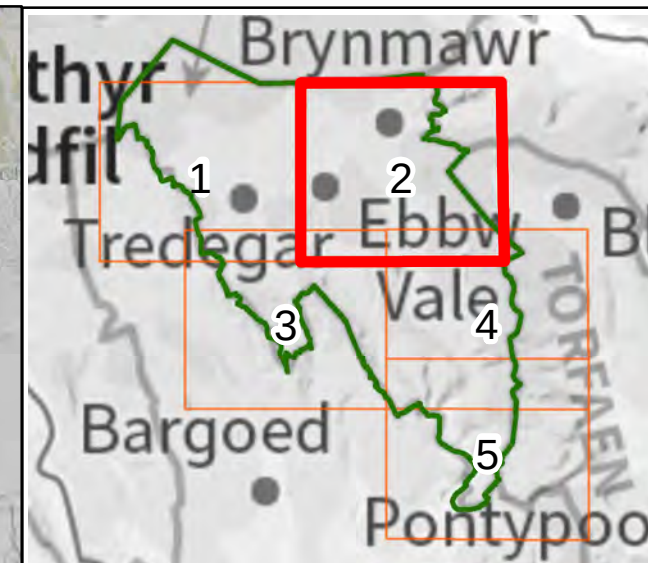
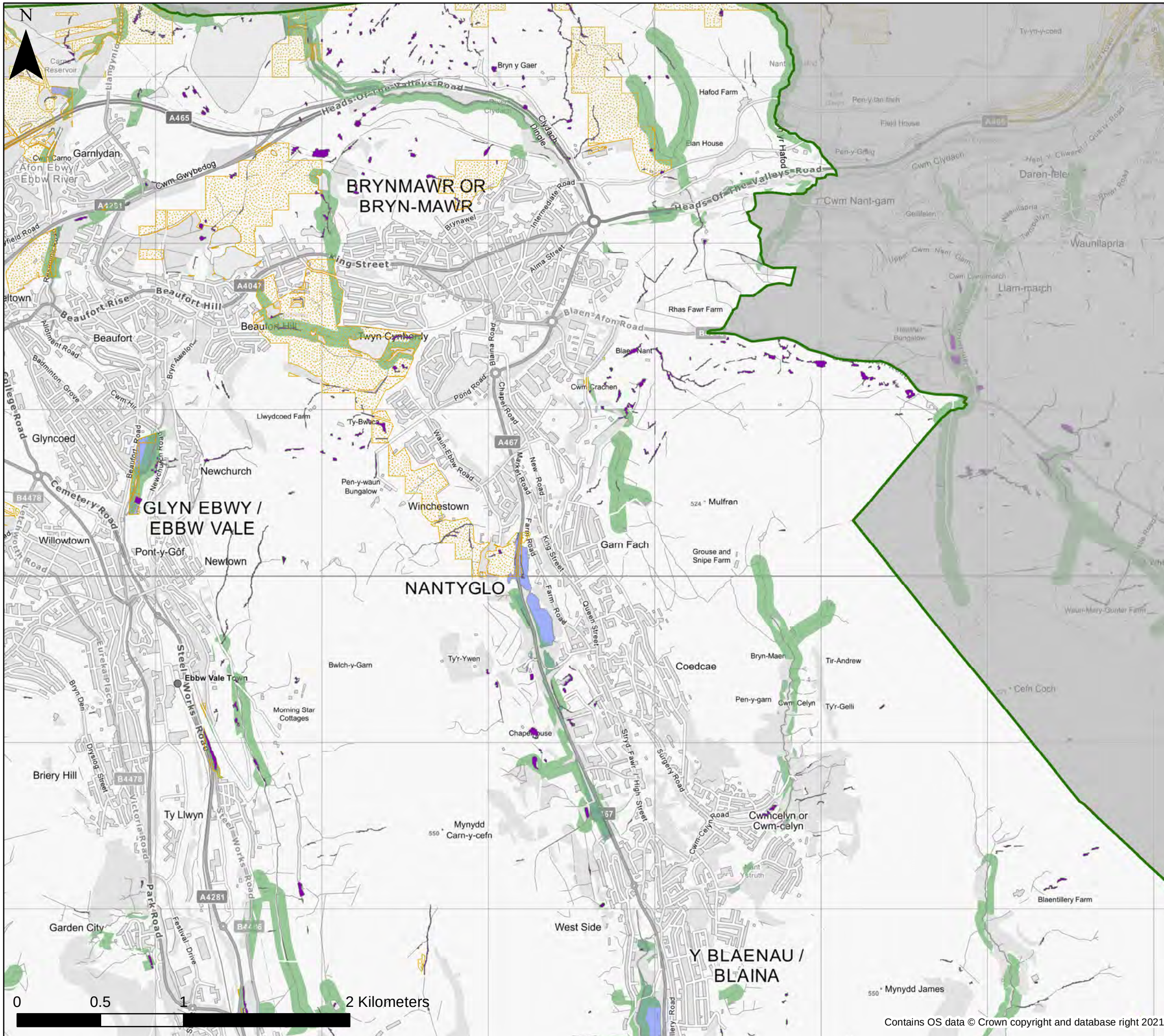


Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Historic Flooding*

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KEY

- Blaenau Gwent County Borough Council Boundary
- Runoff Attenuation Features 1%
- Wider Catchment Woodland Potential
- Riparian Woodland Planting Potential
- Floodplain Woodland Planting Potential

Notes

This map shows areas for woodland planting potential and runoff attenuation features. The potential attenuation features aren't shown on the Council wide overview maps. The map shows the flood risk data and information based on the map title and legend. If no data is displayed on the map, or not all features are present, this indicates that the respective flood source or features are not present within this area.



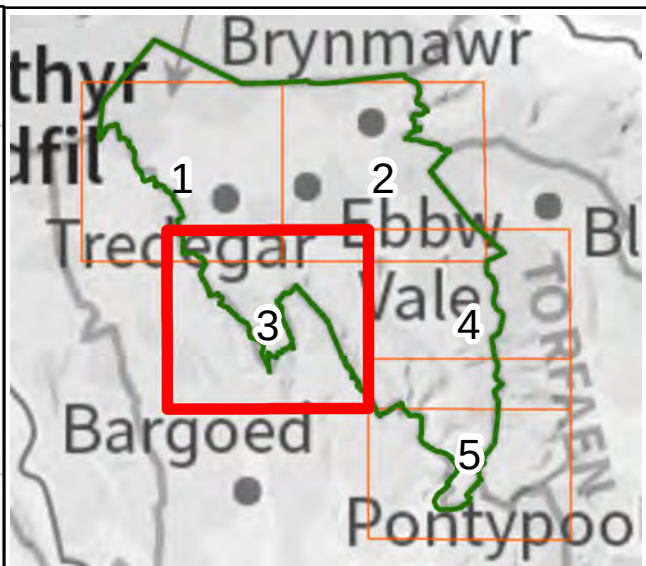
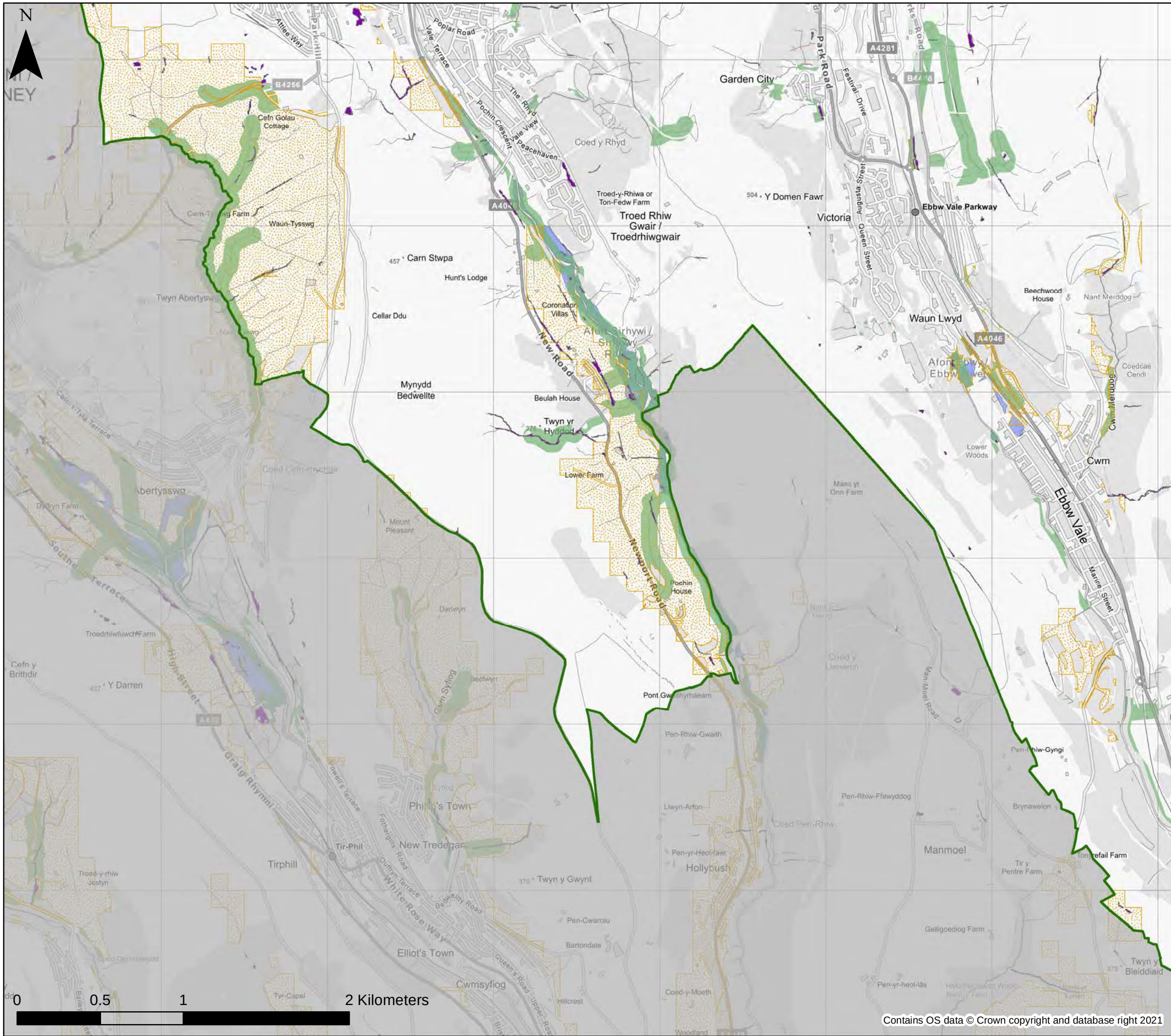
Blaenau Gwent
County Borough Council



Blaenau Gwent County Borough Council Stage 1 Strategic Flood Consequences Assessment *Working with Natural Processes - Potential Mapping*

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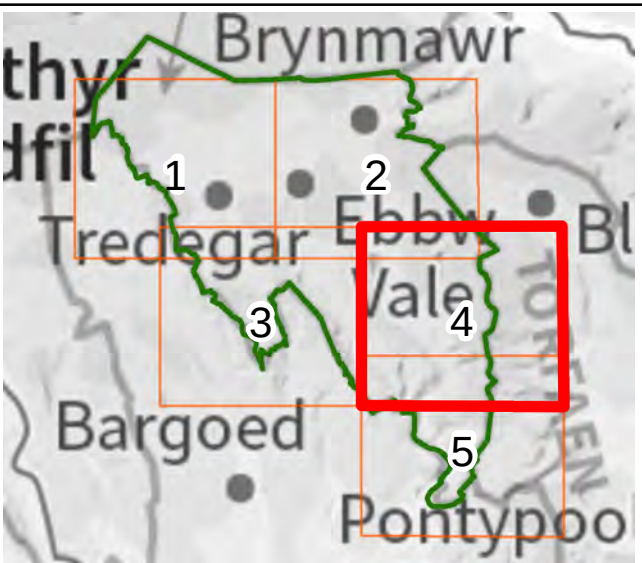
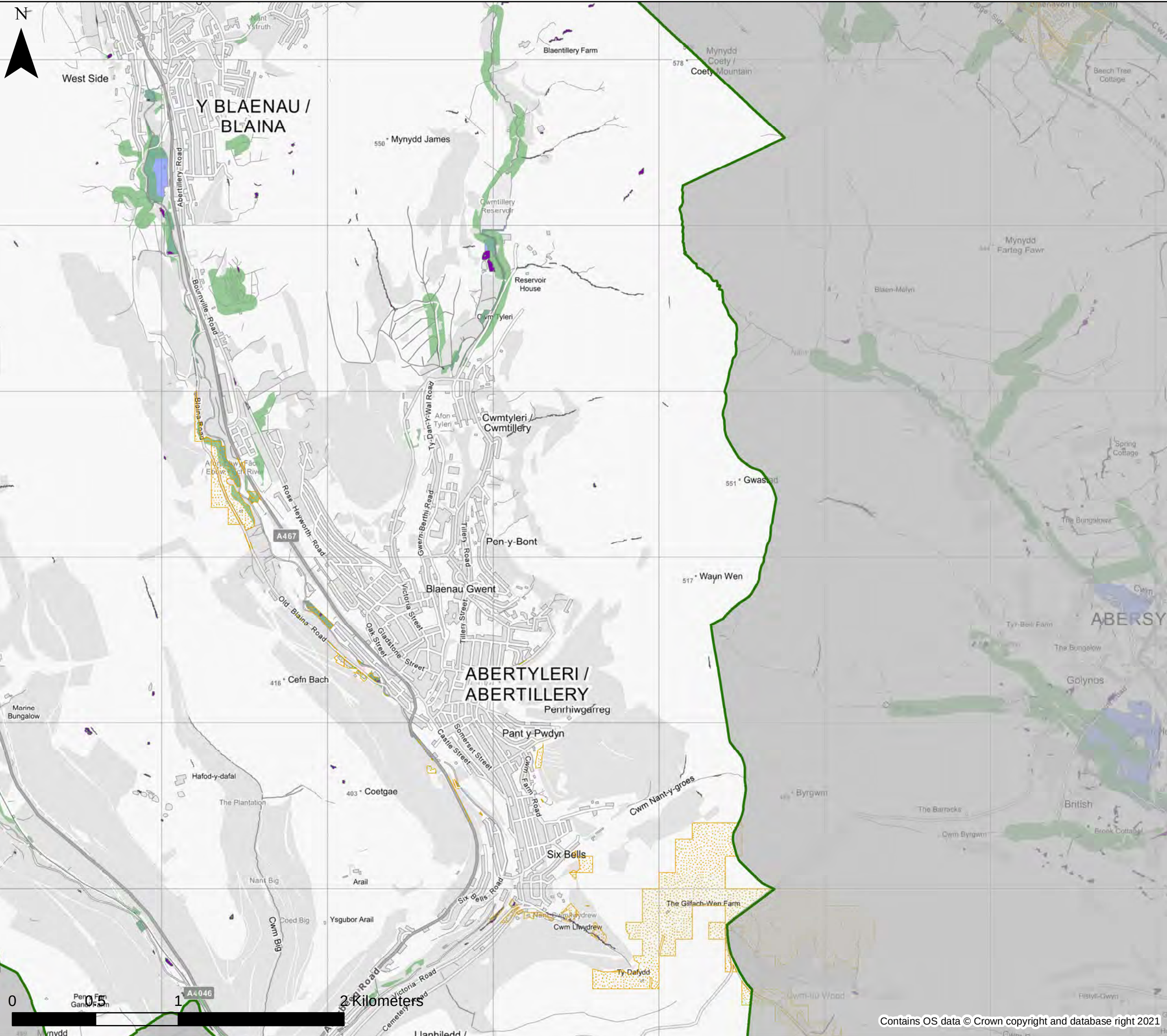
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Stage 1 Strategic Flood Consequences Assessment

Working with Natural Processes - Potential Mapping

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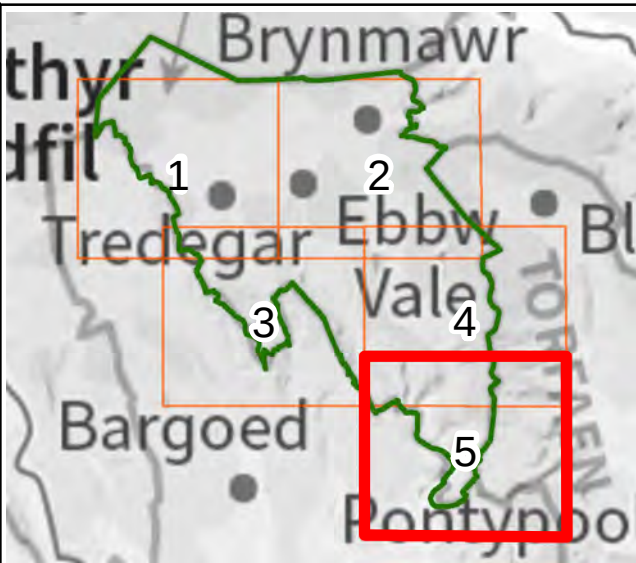
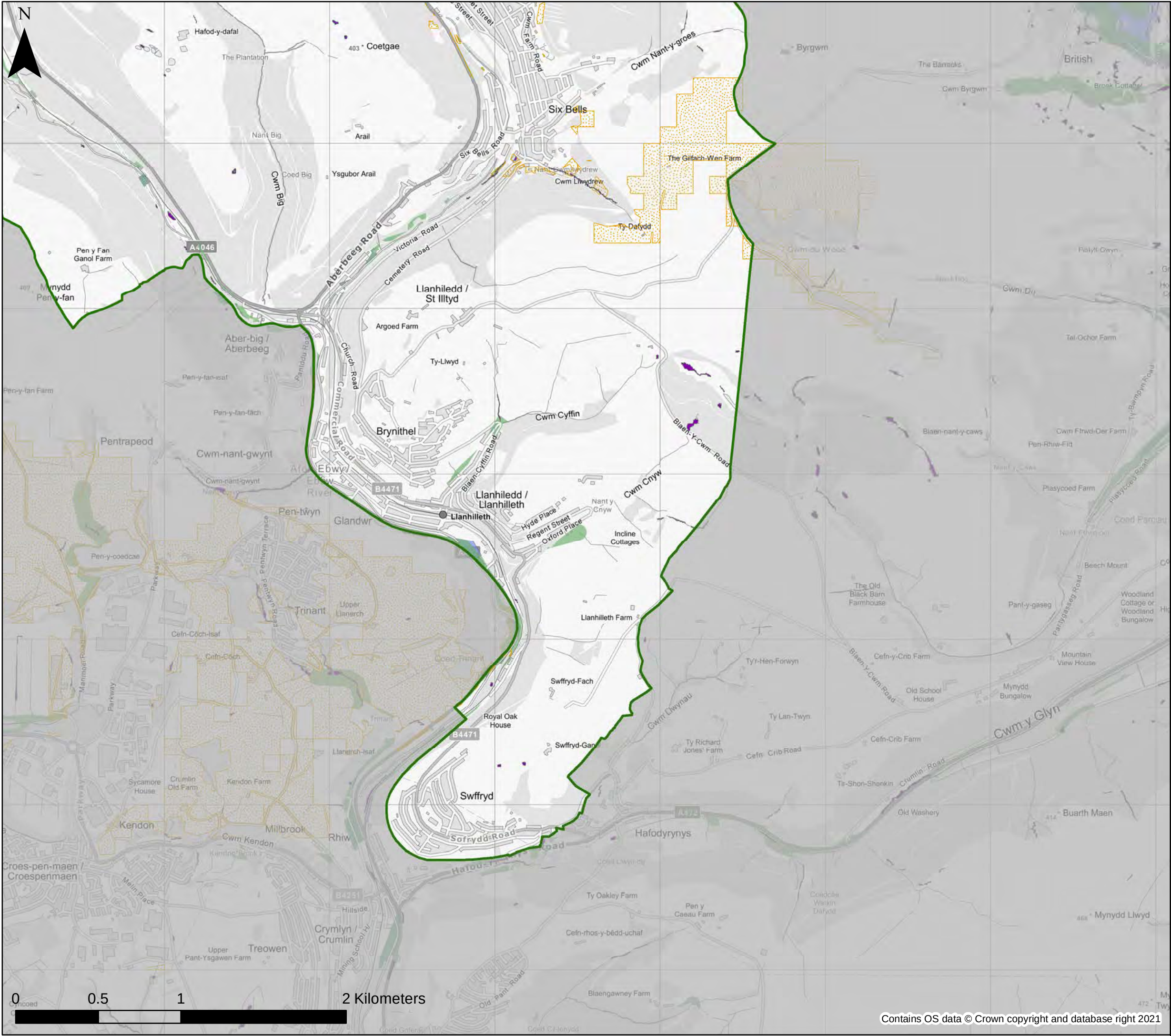
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Stage 1 Strategic Flood Consequences Assessment
Working with Natural Processes - Potential Mapping

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