

Chapter 9: Cultural Heritage

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Chapter 9 Cultural Heritage

9.1 Introduction

The aim of this chapter is to identify the cultural heritage value for the site and to identify any potential direct and indirect impacts which may result as a consequence of the Herds Hill Wind Farm development.

A historic asset is any element of the historic environment which has cultural significance. Both discrete features, and extensive landscapes defined by a specific historic event, process or theme, can be defined as heritage assets; and assets may overlap or be nested within one another.

Designated assets include scheduled monuments, listed buildings, world heritage sites, conservation areas, gardens and designed landscapes and historic battlefields. There may be other assets that are locally designated.

The assessment addresses heritage assets within a 10km radius of the site, to identify potential impacts upon archaeologically and culturally significant assets:

- 1km radius - identify assets that fall within the immediate vicinity of the proposed development and site boundary.
- 5km radius - all designated heritage assets within 5km of the red line boundary will be identified and assessed based on significance.
- 10km radius - nationally important designated assets within 10km have been considered to assess the potential for impacts upon their setting.

The scope of this work includes desktop analysis and walkover surveys, alongside data provided by the Dumfries and Galloway Council Archaeology Officer, to provide an insight into local cultural heritage assets.

9.2 Consultation

Comments received during the scoping process have been summarised below in Table 9.1.

Table 9.1: Summary of the scoping comments relating to cultural heritage.

Dumfries and Galloway Council (DGC) scoping response from the Archaeology Officer (dated 25th August 2023).	Actions taken by Drumbuie Renewables, outlined within this assessment.
<ul style="list-style-type: none"> • DGC Archaeologist requested that all direct and indirect impacts upon nationally significant sites, unscheduled sites, regionally significant non-inventory designed landscapes, archaeologically sensitive areas and conservation areas be considered. • Visualisations to illustrate potential effects should follow SNH 2017 guidelines as outlined in SNH guidance document 'Visual 	<ul style="list-style-type: none"> • Potential direct and indirect effects upon the assets have been considered, within a baseline study area as discussed with the DGC Archaeologist (phone calls and emails between Drumbuie Renewables and Andrew Nicholson of DGC on 15th August and 4th September 2023). • Visualisations have been produced and are in accordance with SNH guidelines (included in Section 6).

Representations of Wind Farms, Version 2.2'. <ul style="list-style-type: none">• A digital extract from the DGC Historic Environment Record (HER) should be used to inform the assessment.	<ul style="list-style-type: none">• A digital extract from the DGC HER was obtained in September 2023.
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9.3 Policy and Guidance

The assessment has been undertaken with reference to relevant legislation, policy and guidance relating to Cultural Heritage.

Legislation

Scheduled Monuments, Listed Buildings and Conservation Areas are protected by statute.

Legislation regarding Scheduled Monuments is contained within The Ancient Monuments and Archaeological Areas Act 1979. Legislation regarding Listed Buildings is contained in The Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997.

The 1979 Act makes no reference to the settings of Scheduled Monuments. The 1997 Act does, however, place a duty on the planning authority with respect to Listed Buildings and Conservation Areas. Section 59 of the 1997 Act states (in part):

“In considering whether to grant planning permission for development which affects a listed building or its setting, a planning authority or the Secretary of State, as the case may be, shall have special regard to the desirability of preserving the building or its setting or any features of special architectural or historic interest which it possesses.”

Section 64 states:

“In the exercise, with respect to any buildings or other land in a conservation area, of any powers under any of the provisions in subsection (2), special attention shall be paid to the desirability of preserving or enhancing the character or appearance of that area.”

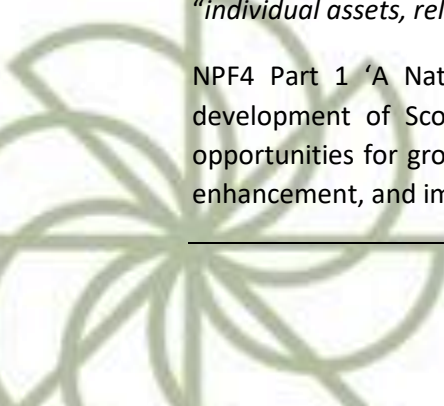
The Historic Environment Scotland Act 2014 defines the role of Historic Environment Scotland (HES), and the processes for the designation of heritage assets, consents and rights of appeal.

Planning Policy

National Planning Policy

The historic environment is defined in NPF4 as *“the physical evidence for human activity that connects people with place, linked with the associations we can see, feel and understand”* and includes *“individual assets, related settings and the wider cultural landscape”*.

NPF4 Part 1 ‘A National Spatial Strategy for Scotland 2045’ describes how the future spatial development of Scotland can contribute to planning outcomes. It shows where there will be opportunities for growth and regeneration, investment in the low carbon economy, environmental enhancement, and improved connections across the country.



Herds Hill Wind Farm

Historic Environment Policy for Scotland (HEPS) defines the Historic Environment and Scottish Government Policy. It sets out the vision and key principles on how to care for and protect Scotland's historic environment including designations of ancient monuments, principles for scheduling and listing, contexts for conservation areas, marine protected areas, gardens and designated landscapes, historic battlefields, consents and advice. HEPS provides further policy direction to NPF4 and sets out high level policies and core principles for decision-making affecting the historic environment.

The Scottish Government's planning policies in relation to the historic environment are set out in NPF4 Part 2 'National Planning Policy' (The Scottish Government, February 2023) with the key policy being Policy 7: Historic assets and places, which states the following policy principles:

- *“Policy Intent: To protect and enhance historic environment assets and places, and to enable positive change as a catalyst for the regeneration of places.*
- *Policy Outcomes: The historic environment is valued, protected, and enhanced, supporting the transition to net zero and ensuring assets are resilient to current and future impacts of climate change; Recognise the social, environmental and economic value of the historic environment, to our economy and cultural identity”.*

In terms of Local Development Plans (LDPs), they *“through their spatial strategies, should support the sustainable management of the historic environment. They should identify, protect and enhance valued historic assets and places”.*

NPF4 Policy 7 applies these principles to designated and non-designated assets. Those relevant to the current assessment are as follows:

NPF4 – Part 2: Historic Assets and Places Policy 7

“a) Development proposals with a potentially significant impact on historic assets or places will be accompanied by an assessment which is based on an understanding of the cultural significance of the historic asset and/or place. The assessment should identify the likely visual or physical impact of any proposals for change, including cumulative effects and provide a sound basis for managing the impacts of change.

Proposals should also be informed by national policy and guidance on managing change in the historic environment, and information held within Historic Environment Records.

Where impacts cannot be avoided, they should be minimised. Where it has been demonstrated that avoidance or retention is not possible, excavation, recording, analysis, archiving, publication and activities to provide public benefit may be required through the use of conditions or legal/planning obligations”.

Local Planning Policy

Dumfries and Galloway Council

Dumfries and Galloway Council (DGC) adopted their Local Development Plan 2 (LDP2) in October 2019. In February 2020, DGC produced Supplementary Guidance (SG) on the Historic Built Environment. Excerpts of local policies from the LDP2 and Key Principles from the SG relevant to this assessment are detailed below.

Dumfries and Galloway Local Development Plan 2 (2019)

Policy OP1: Development Considerations [with regard to the Historic Environment]

“b) Development proposals should protect and/or enhance the character, appearance and setting of the region’s rich historic environment principally by ensuring they are sympathetic to nearby buildings, sites and features, integrate well and complement the surrounding area. The information contained within the Council’s Historic Environment Record and Historic Environment Scotland Policy Statement, and any subsequent revised or amended document, will be a material consideration in the assessment of proposals.”

Policy HE1: Listed Buildings

“The Council will support development that makes effective, efficient and sustainable use of listed buildings. In considering development that impacts on the character or appearance of a listed building or its setting the Council will need to be satisfied that:

a) Alterations

- the layout, design, materials, scale, siting and the future use shown in any development proposals are appropriate to the character and appearance of the listed building and its setting”*

Policy HE2: Conservation Areas

“The Council will support development within or adjacent to a conservation area that preserves or enhances the character and appearance of the area and is consistent with any relevant conservation area appraisal and management plan. In considering such development the Council will need to be satisfied that:

- the quality of views within, from and into the conservation area will be maintained or enhanced.”*

Policy HE3: Archaeology

“a) The Council will support development that protects significant archaeological and historic assets, and the wider historic environment from adverse effects.

In considering development proposals the Council will need to be satisfied that:

- due consideration has been given to the significance and value of the site or asset in relation to the long-term benefit and specific need for the development in the location proposed.*

b) Where, due to exceptional circumstances, development is to proceed and the preservation of historic assets in-situ including buildings is not possible, a scheme of mitigation involving excavation, recording, analysis, publication and archiving and any other measures appropriate to the case has been agreed with the Council.”

Policy HE4: Archaeologically Sensitive Areas

“The Council will support development that safeguards the character, archaeological interest and setting of Archaeologically Sensitive Areas (ASAs) as designated by the Council.”

Policy HE6: Gardens and Designed Landscapes

“a) The Council will support development that protects or enhances the significant elements, specific qualities, character, integrity and setting, including key views to and from, gardens and designed landscapes included in the Inventory of Gardens and Designed Landscapes or the Non-Inventory List.

In considering development proposals the Council will need to be satisfied that:

- *due consideration has been given to the significance and value of the asset in relation to the long-term benefit and specific need for the development in the location proposed”.*

Dumfries and Galloway Council, Local Development Plan 2, Supplementary Guidance: Historic Built Environment

Key Principle; Views, Landmarks and Setting:

“Proposals will be supported where they complement or preserve the setting of historic buildings and established views to and from landscapes or landmarks; this may include the creation of appropriate new views and vistas.”

Dumfries and Galloway Council, Local Development Plan 2, Supplementary Guidance: Wind Energy Development - Development Management Considerations (February 2020)

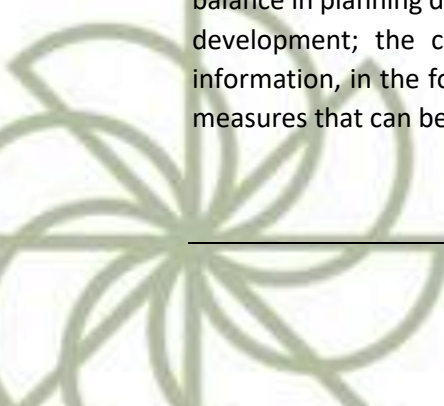
Development Management Considerations, H19 to H28. Historic Environment and Cultural Heritage

“Within the broad sweep of the historic environment, there are particular assets and places ranging from architecturally or archaeologically significant buildings, monuments, and designed landscapes, to deep peat that contains valuable environmental historical data.... All applications should demonstrate that they have assessed the potential effects on these assets, and other undesignated features.... When there is likely to be an impact on the historic environment and/or the cultural heritage, the developer must consider and assess potential effects on the aesthetic, historic, social and intangible/spiritual sensitivities.”

Guidance

Historic Environment Scotland (HES) provides guidance on how to apply NPF4 Policy 7 in a series of documents entitled ‘Managing Change in the Historic Environment’, of which the guidance note on ‘Setting’ is relevant to this assessment: the methodology adopted for the identification and assessment of potential effects on setting follows the approach set out in ‘Managing Change in the Historic Environment: Setting’ (Historic Environment Scotland, 2016 updated 2020) and the ‘Environmental Impact Assessment Handbook’ (NatureScot & HES, 2018, v5 Appendix 1).

Planning Advice Note (PAN) 2/2011: Planning and Archaeology provides technical advice to planning authorities and developers on dealing with archaeological remains. Among other issues it covers the balance in planning decisions between the preservation of archaeological remains and the benefits of development; the circumstances under which developers can be required to provide further information, in the form of a field evaluation, to allow planning authorities to reach a decision; and measures that can be taken to mitigate adverse impacts.



9.4 Methodology

The potential impacts relate to the possibility of disturbing the in situ remains and assets during the construction phase (direct impact), or changes to the setting of the asset during the operational phase of the wind farm proposal (indirect impact). The predicted level of impact is assessed using the criteria outlined in the tables below.

It is considered that the effects identified as ‘Moderate’ or ‘Major’ may have the potential to affect the integrity of the setting. Where no significant effect is found, the integrity of an asset’s setting will remain intact.

Direct Impacts

The area most at risk of direct impact on cultural heritage assets if they are present, will be the access tracks and up to 50m either side, the turbine foundations and hardstands and any areas within the red line site boundary which require construction work.

Indirect Impacts

The indirect impact of known cultural heritage sites will be considered within this assessment. Culturally significant features such as: Scheduled Monuments, Category A Listed Buildings and Gardens and Designed Landscapes will be considered within a 10km radius of the proposed development. Any sensitive features such as Category B Listed Buildings and Conservation Areas will be considered within 5km of the proposed development.

This assessment will include visual impacts experienced by the feature and any impacts to sense of place, sense of remoteness, cultural identity, and links to its historical past. Cumulative impacts will also be considered where appropriate.

The level of direct and indirect effects upon the historical significance is determined by the sensitivity and magnitude of change. Each asset will have a different level of sensitivity related to change. The general criteria that will be used throughout the assessment will follow the principles, outlined below in Tables 9.2, Table 9.3 and Table 9.4.

The significance of the potential effect is broadly determined by correlating the sensitivity of the asset against the magnitude of the expected impact, as detailed in the below tables. Although the final determination on the significance of effect will be informed by professional judgement.

Table 9.2: Criteria for identifying the importance and sensitivity of cultural heritage and archaeological features.

Sensitivity	Type
Very High	<ul style="list-style-type: none">World Heritage Sites and other assets of equal international importance
High	<ul style="list-style-type: none">Category A Listed BuildingsScheduled MonumentsNon-statutory/Undesignated sites likely to be of National ImportanceInventory Gardens and Designed Landscapes

	<ul style="list-style-type: none"> • Inventory Historic Battlefields
Medium	<ul style="list-style-type: none"> • Category B Listed Buildings • Conservation Areas • Undesignated sites of regional importance
Low	<ul style="list-style-type: none"> • Category C Listed Buildings • Undesignated sites of low or lesser importance • Non-registered Gardens and Designed Landscapes
Negligible	<ul style="list-style-type: none"> • Sites, features and artefacts which have been removed and only exist in documentary records

Table 9.3: Magnitude of cultural heritage and archaeological effects.

Magnitude	Definition
Any number of wind turbines and/or associated development that would result in:	
High	<ul style="list-style-type: none"> • The removal or partial removal of key features, areas, or evidence important to the historic character and integrity of the site, which could result in the substantial loss of physical integrity, and/or, • A substantial obstruction or addition to the setting where it significantly alters the quality, setting or the visual amenity of the designated feature both to and from.
Medium	<ul style="list-style-type: none"> • The removal of one or more key features, parts of the designated site, or evidence at the secondary or peripheral level, but are not features fundamental to its historic character and integrity, and/or, • An introduction of elements that could alter to a small degree the quality of the setting or visual amenity of the designated feature both to and from.
Low	<ul style="list-style-type: none"> • A partial removal/minor loss, and/or alteration to one or more peripheral and/or secondary elements/features, but not significantly affecting the historic integrity of the site or affect the key features of the site, and/or, • An introduction of elements that could alter to a small degree the quality of the setting or visual amenity of the designated feature both to and from.
Negligible	<ul style="list-style-type: none"> • A relatively small removal, and/or alteration to small, peripheral and/or unimportant elements/features, but not affect the historic integrity of the site or the quality of the surviving evidence, and/or, • An introduction of elements that could be visible but not intrusive, and the overall quality of the setting or visual amenity of the designated feature would not be affected both to and from.
No impact	<ul style="list-style-type: none"> • Assets cultural significance is not altered.

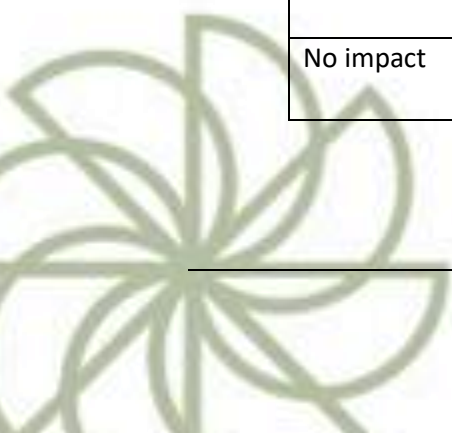


Table 9.4: Level of impact based on the relationship between sensitivity and magnitude of change.

Magnitude of Impact	Importance/Sensitivity				
	Very High	High	Medium	Low	Negligible
High	Major	Major	Major/ Moderate	Moderate/ Minor	Minor
Medium	Major	Moderate	Moderate/ Minor	Minor	Negligible
Low	Moderate	Moderate/ Minor	Minor	Negligible	Negligible
Negligible	Minor	Minor	Negligible	Negligible	Negligible

9.5 Baseline Conditions

There are no archaeological, historical or cultural heritage assets within the red line site boundary, or within 1km of the turbines.

There are 17 known heritage assets within 5km of the site and 35 between 5km and 10km. The majority of these assets are Category B Listed Buildings that are located in the town centres of Kirkconnel and Sanquhar. All known assets are recorded within the Historic Environment Record (HER), as provided by the Dumfries and Galloway Council Archaeology Officer. All of the assessed assets can be found in Appendix 9.1.

All assets within 10km were considered for their settings impacts. Following a thorough assessment, as well as reviewing the data contained within the HER, it was found that within 10km:

- There are no archaeological, historical or cultural heritage assets within the red line site boundary or within 1km of the turbines.
- Within 5km of the site there are 3 non-statutory sites likely to be of national importance, 8 Category B Listed Buildings, 5 archaeological sites of regional and local importance, 1 scheduled monument.
- Between 5km and 10km of the site, there are 12 non-statutory sites likely to be of national importance, 15 Category B Listed Buildings, 4 scheduled monuments, 2 non-inventory gardens and designed landscapes, 1 archaeological site of regional and local importance and 1 Category A Listed Building.

All of the assets listed above are found within the Council’s HER, in which the assets have been identified as being of Regionally or Nationally Significant, covered by policies HE4 (Archaeologically Sensitive Areas) and HE6 (Gardens and Designed Landscapes) of the Council’s Local Development Plan 2.

Following consultation with the DGC Archaeology Officer, it was agreed that all undesignated assets recorded on the HER within 1km of the turbines would be included in the baseline. Within 5km of the turbines, all HER entries of regional and local significance would be included, and within 10km, all HER entries of national significance would be included.



9.6 Scoped Out Assets

Of these 52 assets, 17 have been scoped out of the assessment (found in Appendix 9.2). These assets were scoped out as they were judged to experience a low to negligible magnitude of impact and no or negligible operational impacts.

One asset that is within 5km which has been scoped out, is Cruffell, a beacon, and is classed as an archaeological site of regional and local importance. The proposal would have a negligible impact, due to the assets to the operational Whiteside Hill Wind Farm and Sanquhar Wind Farm. Furthermore, the ZTVs produced (found in Appendix 9.3), showed there to be only 1-2 turbines visible, from this asset. This area is classed as 'Southern Uplands with Forest', moreover, any operational impacts will be minimised by the forested environment.

Carlinstane Bridge, located 5.7km from Turbine 1, has also been scoped out of this assessment. This asset was deemed as experiencing a negligible magnitude and level of impact, due to no turbines being visible from the asset, as per the ZTVs.

There are two non-inventory gardens and designed landscapes, Craighdarroch and Eliock, which were also scoped out. This was due to both assets being over 5km from the turbines and parts of the area having no turbines visible as per the ZTVs. Also, as these assets are non-inventory and thus are not registered in the HES Inventory records, these assets were deemed to have low importance and the magnitude of impact would be low, therefore resulting in a negligible impact.

The majority of assets within the town of Sanquhar were scoped out of the assessment as well. This was due to the level of impact by the proposal being deemed as minor/negligible as they are out with the 5km buffer from the turbines and there being limited or no visibility of the turbines at these assets.

9.7 Assessment of Assets within 5km

Following the initial assessment, a total of 35 assets were taken forward for this cultural heritage assessment. Of these, 16 assets were located within 5km (see Appendix 9.4), which comprises of:

- 1 scheduled monument.
- 3 non-statutory sites likely to be of national importance.
- 4 archaeological sites of regional and local importance.
- 8 Category B listed buildings.

Scheduled Monuments within 5km

Kemps Castle (MDG28/SM656) is 4.2km from the site. It is characterised as a promontory fort, comprising of a sub-rectangular levelled platform on the steep slopes above Euchan Water. The fort is defined by earthworks at its short end and there are no upstanding traces of occupation on the interior. The ZTVs indicate that only 1-2 turbines would be visible from this asset; furthermore, the wirelines created for Chapter 6 show that the views would be mostly screened by existing landforms and vegetation, therefore there would be no change to the overall character (please see Figure 14 in the Landscape and Visual A1 Visualisations, that displays Viewpoint 14 from Kemps Castle). This asset was deemed to be likely to be subject to a minor level of impact.

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Non-statutory sites likely to be of national importance within 5km

Deil's Dyke is presented as 1 site; however, it consists of seven HER entries (MDG11247, MDG11249, MDG11235, MDG11246, MDG11245, MDG11244 and MDG12838). This site, which is an undesignated asset, consists of a 10km long Linear Earthworks dating back to the Iron Age. The impact of the proposed development on Deil's Dyke is judged to be minor, due to the already existing operational impacts of Sandy Knowe, Hare Hill, Hare Hill Extension and Sanquhar Wind Farm.

The cairn recorded at Cairn Hill (MDG43), is on a rocky knoll between the Tongue Burn and the Back Burn, dating back to the Late Bronze Age. This is an undesignated asset and the effects upon it have been assessed as minor.

Euchan Foot consists of two HER entries (MDG55 and MDG56) and is identified by the fragment of a mill building, dating back to the Late Bronze Age. The impact of the development would be minor due to it being undesignated and potentially screened by the existing landforms and vegetation.

Listed Buildings within 5km

There are 4 Category B listed buildings in the town of Kirkconnel (MDG17831, MDG17832, MDG17834 and MDG18050). These are all classed as being 'regionally significant' and consist of a church, hotel, farmhouse and former manse. The wirelines produced demonstrate that the assets would remain unchanged, and views would be largely screened, therefore leaving the listed buildings unaffected. Thus, these assets have been deemed as experiencing a minor impact.

The Category B Listed Tower Farmhouse (MDG17835), stands on the site of a small fortalice, dating back to the 19th century. The impact upon the listed building would be largely unaffected and therefore is deemed to experience a minor impact.

Crawick Bridge (MDG117885) and Blackaddie Bridge (MDG20294) are both within the town of Sanquhar and date back to the 18th century. The landscape and visual assessment in Chapter 6 indicates that the views from this area would be largely screened by trees and landform features, therefore not influencing the reasons for designation (please see Figure 5 in the Landscape and Visual A1 Visualisations, that displays Viewpoint 5 from Crawick Multiverse). These assets have been regarded as having a medium importance however they would experience a low magnitude of change, therefore, the impact would be minor.

Kello Bridge (MDG17018) is registered as a road bridge with a single segmental arch over Kello Water, dating back to early/mid-19th century. This asset was determined as likely to experience a minor impact, due to the bridge being used for the delivery of the Sanquhar Wind Farm's turbine components and infrastructure, where it was not affected, and the view from the bridge already consists of several operational wind farms. Nonetheless, careful management of the traffic crossing and using the bridge will need to be considered and incorporated into the Traffic Management Plans to be produced (see Chapter 12: Traffic & Transport for further information).

Archaeological sites of regional and local importance within 5km

There are 4 regionally significant sites within 5km (MDG105, MDG116, MDG91 and MDG25507). The assets consist of two fortlets (Sanquhar and Bankhead), a cairn (Sanquhar) and a farmstead (Old Kelloside, 'Cullow'). These assets would not be impacted in terms of setting, due to the presence of screening as the assets are located in and near the towns of Sanquhar and Kirkconnel.

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These assets are regionally important with a medium level of significance and have been assessed to be subject to only a minor level of impact. Old Kelloside is located 180m from the site entrance, however, as this entrance has been used to transport Sanquhar Wind Farm's infrastructure and is used regularly to access the operational wind farm, it has been deemed to experience a minor level impact.

9.8 Assessment of Assets between 5 and 10km

Between 5 and 10km, there are 19 assets which were assessed as part of this assessment, which comprise of the following:

- 1 archaeological site of regional and local importance.
- 1 Category A Listed Building.
- 2 Category B Listed Buildings.
- 4 scheduled monuments.
- 11 non-statutory sites likely to be of national importance.

Scheduled Monuments within 5 - 10km

Orchard (MDG112/SM679) consists of the remains of a cross, dating back to the early medieval period. This site will experience a negligible impact as the ZTVs show that there would be no turbines visible from this asset.

Sanquhar Castle (MDG50/SM687) and Ryehill (MDG63/SM708) are both broadly contemporary, with the morphology indicating a medieval date for both assets. The visualisations produced for the landscape and visual assessment for Sanquhar Castle show that there is already an existing wind farm setting, therefore Herds Hill would not change the overall existing character of the view (please see Figure 4 in the Landscape and Visual A1 Visualisations, that displays Viewpoint 4 from Sanquhar Castle). These assets would be subject to a minor impact.

St Connel's Church near Kirkland (MDG75/SM13747) is located 6km from the turbines. The asset consists of the remains of a church, possibly dating back to the 13th century. The wirelines produced show that the proposed turbines would not change the overall character of the view as they would be seen within a landscape with an existing character of wind energy development (please see Figure 1 in the Landscape and Visual A1 Visualisations, that displays Viewpoint 12 from St Connel's Chapel). Thus, the impact upon the asset has been deemed as minor/negligible.

Non-statutory sites likely to be of national importance within 5 - 10km

The 11 nationally important non-statutory sites between 5km and 10km consist of cairns and earthworks, a farmstead and a deer park. It has been determined that these assets would be subject to only minor impacts, due to there being no operational impacts on these assets as they are located further than 5km from the proposed turbines, and the proposal would be seen within an existing landscape which contains wind turbines.

Listed Buildings within 10km

There is 1 Category A listed building (MDG20298), as well as 2 Category B listed buildings (MDG108 and MDG17868) over 5km from the turbines, within the town of Sanquhar. These assets would remain unchanged, and views would be largely screened, therefore leaving the listed buildings unaffected. Thus, these assets have been assessed as experiencing a minor impact.

Archaeological sites of regional and local importance within 10km

Little Kirkland Hill (MDG8961) is located 6.6km from the proposed turbines. It consists of the remains of a walled settlement dating back to the 19th century. This asset would experience a minor impact due to the turbines having limited impact on its character as it is further than 5km from the proposed turbines.

9.9 Conclusion

Overall, it is concluded that there will be no direct impacts upon heritage assets within the site boundary. Construction impacts upon any previously unknown heritage assets is considered highly unlikely, due to the lack of cultural heritage assets actually within the immediate vicinity of the proposed turbines and associated infrastructure. Nonetheless, measures will be set out in case any archaeological artefacts or assets were unearthed during the construction phase. For instance, if any heritage assets were discovered, then they would be avoided by micro-siting, where this is possible, and proportionate to the importance of the asset.

Therefore, there is no mitigation required during the construction, operation and decommissioning periods, as there would be no significant effects as a result of the construction and operation of the proposed development.



Appendices

Appendix 9.1- All heritage assets considered for the assessment, within 10km.						
Name	HER reference	Description	Type	Period	Easting	Northing
Within 5km						
KEMPS CASTLE	MDG28 (SM656)	MOTTE; FORT	Scheduled Monument	Iron Age to 19th Century	277280	608870
DEIL'S DYKE	MDG11235	LINEAR EARTHWORK	Non-statutory sites likely to be of National Importance	Iron Age to Post Medieval	270000	611930
	MDG11244			Iron Age to Post Medieval	270323	611751
	MDG11245			Iron Age to Post Medieval	270350	611740
	MDG11246			Iron Age to Post Medieval	270386	611738
	MDG11247			Iron Age to 19th Century	269990	611930
	MDG11249			Iron Age to 19th Century	276150	609990
	MDG12838			Iron Age to Post Medieval	277222	607016
CAIRN HILL	MDG43	CAIRN	Non-statutory sites likely to be of National Importance	Early Bronze Age to Late Bronze Age	276800	606840
EUCHAN FOOT	MDG55	RING DITCH	Non-statutory sites likely to be of National Importance	Early Bronze Age to Late Bronze Age	277842	609223
	MDG56				277915	609109
KIRKCONNEL VILLAGE KIRKCONNEL PARISH CHURCH & CHURCHYARD	MDG17831	CHURCH	Category B Listed Building	18th Century to Modern	272811	612296
KIRKCONNEL VILLAGE QUEENSBERRY HOTEL	MDG17832	HOTEL	Category B Listed Building	19th Century to Modern	273079	612221
THE KNOWE FARMHOUSE AND STEADING	MDG17834	FARMHOUSE; FARMSTEAD	Category B Listed Building	19th Century to Modern	271836	612722
TOWER FARMHOUSE	MDG17835	FARMHOUSE	Category B Listed Building	19th Century to Modern	275600	611952
CRAWICK BRIDGE (A76 OVER CRAWICK WATER)	MDG17885	ROAD BRIDGE	Category B Listed Building	18th Century to Modern	277399	610722
KIRKCONNEL VILLAGE, OLD CHURCH HOUSE (FORMER MANSE)	MDG18050	MANSE; HOUSE	Category B Listed Building	18th Century to Modern	272436	612386
BLACKADDIE BRIDGE (OVER RIVER NITH)	MDG20294	ROAD BRIDGE	Category B Listed Building	18th Century to Modern	277485	609686
KELLO BRIDGE	MDG17018	Farmstead	Category B Listed Building	Post Medieval to 18th Century	274000	610861
SANQUHAR	MDG105	FORTLET	Archaeological sites of regional and local importance	Roman	277540	610580
BANKHEAD	MDG116	ROAD; FORTLET	Archaeological sites of regional and local importance	Roman to 18th Century	274771	611928
CRUFFELL	MDG19	BEACON	Archaeological sites of regional and local importance	Medieval to Post Medieval	269475	605080
SANQUHAR	MDG91	CAIRN	Archaeological sites of regional and local importance	Early Bronze Age to Late Bronze Age	277570	610271
OLD KELLOSLIDE, 'CULLOW'	MDG25507	ENCLOSURE; FARMSTEAD	Archaeological sites of regional and local importance	Medieval to 20th Century	274008	611024
Between 5km-10km						
SEAN CAER / SANQUHAR	MDG102	EARTHWORK	Non-statutory sites likely to be of National Importance	Medieval to 19th Century	277890	610460
BLACK LOCH / LOCH OF SANQUHAR	MDG110	CRANNOG	Non-statutory sites likely to be of National Importance	Late Iron Age to Roman	279707	610684
GLENGENNY	MDG161	CAIRN	Non-statutory sites likely to be of National Importance	Early Bronze Age to Late Bronze Age	281190	605670
GRIEVE HILL TO DUMFRIES	MDG21369	WAGONWAY	Non-statutory sites likely to be of National Importance	19th Century	267864	615069

GLENWHARRIE	MDG21444	FARMSTEAD; QUARRY; RIDGE AND FURROW	Non-statutory sites likely to be of National Importance	Norse to 19th Century	271151	614620
TWENTY SHILLING BURN / Deil's Dyke	MDG40	CAIRN	Non-statutory sites likely to be of National Importance	Early Bronze Age to 19th Century	279700	605700
THE RIG	MDG44	CAIRN	Non-statutory sites likely to be of National Importance	Early Bronze Age to Late Bronze Age	279080	605760
TWENTY SHILLING BURN	MDG47	CAIRN	Non-statutory sites likely to be of National Importance	Early Bronze Age to Late Bronze Age	279450	605560
SANQUHAR	MDG60	WALL; DEER PARK	Non-statutory sites likely to be of National Importance	Medieval to 19th Century	278058	609176
DEIL'S DYKE	MDG11248	LINEAR EARTHWORK	Non-statutory sites likely to be of National Importance	Iron Age to 19th Century	281383	605845
GLENWHARRIE	MDG24843	ENCLOSURE	Non-statutory sites likely to be of National Importance	Early Bronze Age to Medieval	271153	614778
CARLINSTANE BRIDGE	MDG69	CAIRN	Non-statutory sites likely to be of National Importance	Early Bronze Age to Late Bronze Age	277760	601010
LITTLE KIRKLAND HILL	MDG8961	SETTLEMENT	Archaeological sites of regional and local importance	Medieval to 19th Century	273150	615650
ORCHARD	MDG112 (SM679)	CROSS	Scheduled Monument	Medieval to 19th Century	278182	612740
SANQUHAR CASTLE	MDG50 (SM687)	CASTLE	Scheduled Monument	Medieval to 19th Century	278490	609240
RYEHILL	MDG63 (SM708)	MOTTE	Scheduled Monument	Medieval to 19th Century	279400	608570
ST CONNELL'S CHURCH	MDG75 (SM13747)	CEMETERY; CROSS; CHURCH	Scheduled Monument	Early Medieval to Medieval	272360	615020
HIGH STREET, TOLBOOTH/TOWN HOUSE	MDG20298	TOLBOOTH	Category A Listed Building	18th Century to Modern	278091	609907
SANQUHAR, CHURCH	MDG108	CHURCH	Category B Listed Building	Medieval to Modern	277899	610160
CRAWICK VIADUCT (OVER CRAWICK WATER AND B740)	MDG17868	VIADUCT	Category B Listed Building	18th Century to Modern	277632	611009
THE HOLM	MDG17870	STABLE	Category B Listed Building	18th Century to Modern	278227	611340
2 CHURCH ROAD	MDG20295	HOUSE	Category B Listed Building	18th Century to Modern	278080	609933
CHURCH ROAD, SANQUHAR PARISH CHURCH, (ST BRIDE'S) AND CHURCHYARD, INCLUDING HAMILTON MONUMENT	MDG20296	CHURCH; CHURCHYARD; COMMEM ORATIVE MONUMENT	Category B Listed Building	18th Century to Modern	277908	610173
39, 41 HIGH STREET, POST OFFICE AND HOUSE	MDG20305	POST OFFICE; HOUSE	Category B Listed Building	18th Century to Modern	278188	609872
63 HIGH STREET, BANK OF SCOTLAND	MDG20306	BANK (FINANCIAL)	Category B Listed Building	18th Century to Modern	278250	609836
71, 73 HIGH STREET.	MDG20307	SHOP; HOUSE	Category B Listed Building	18th Century to Modern	278291	609806
HIGH STREET, ST NINIANS CHURCH, HALL, GATEPIERS AND SCREEN WALL	MDG20309	CHURCH	Category B Listed Building	19th Century to Modern	278433	609692
26 HIGH STREET, ROYAL BANK OF SCOTLAND	MDG20312	BANK (FINANCIAL)	Category B Listed Building	19th Century to Modern	278143	609876
74, 76 HIGH STREET	MDG20315	SHOP; HOUSE	Category B Listed Building	18th Century to Modern	278259	609804
78-6 HIGH STREET (EVEN NUMBERS ONLY)	MDG20316	SHOP; HOUSE	Category B Listed Building	18th Century to Modern	278276	609794
LAURIE'S WYND, FORMER CRICHTON SCHOOL	MDG20319	SCHOOL	Category B Listed Building	18th Century to Modern	278272	609956
LAURIE'S WYND, CRICHTON SCHOOLHOUSE	MDG20320	SCHOOLHOUSE	Category B Listed Building	18th Century to Modern	278298	609944
QUEENSBERRY SQUARE, SCHOOL (RANGE TO NORTH EAST)	MDG20321	SCHOOL	Category B Listed Building	18th Century to Modern	277944	610115








CRAIGDARROCH	MDG25663	GREEN SPACE	Non Inventory Gardens and Designed Landscapes		280174	607081
ELIOCK	MDG25662	GREEN SPACE	Non Inventory Gardens and Designed Landscapes		279802	607640

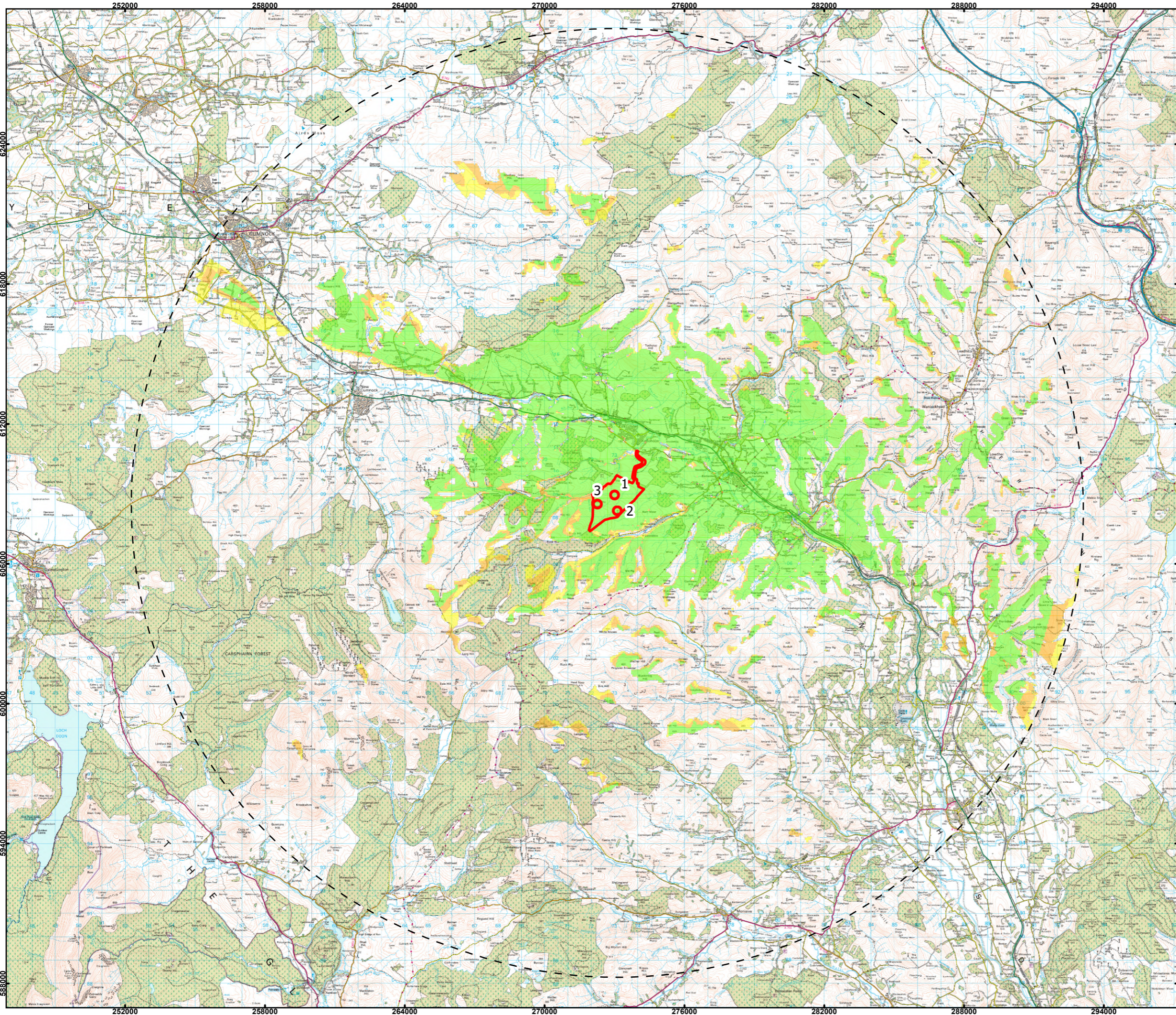
Appendix 9.2- Summary of all assets that were scoped out of the assessment, within 10km.

Name	HER reference	Description	Type	Importance	Magnitude of Impact	Level of Impact
Within 5km						
CRUFFELL	MDG19	BEACON	Archaeological sites of regional and local importance	Medium	Negligible	Negligible
Between 5km and 10km						
CARLINSTANE BRIDGE	MDG69	CAIRN	Non-statutory sites likely to be of National Importance	High	Negligible	Negligible
THE HOLM	MDG17870	STABLE	Category B Listed Building	Medium	Low	Minor/ Negligible
2 CHURCH ROAD	MDG20295	HOUSE	Category B Listed Building	Medium	Low	Minor/ Negligible
CHURCH ROAD, SANQUHAR PARISH CHURCH, (ST BRIDE'S) AND CHURCHYARD, INCLUDING HAMILTON MONUMENT	MDG20296	CHURCH; CHURCHYARD ;COMMEMORATIVE MONUMENT	Category B Listed Building	Medium	Low	Minor
39, 41 HIGH STREET, POST OFFICE AND HOUSE	MDG20305	POST OFFICE; HOUSE	Category B Listed Building	Medium	Low	Minor/ Negligible
63 HIGH STREET, BANK OF SCOTLAND	MDG20306	BANK (FINANCIAL)	Category B Listed Building	Medium	Low	Minor/ Negligible
71, 73 HIGH STREET.	MDG20307	SHOP; HOUSE	Category B Listed Building	Medium	Low	Minor/ Negligible
HIGH STREET, ST NINIANS CHURCH, HALL, GATEPIERS AND SCREEN WALL	MDG20309	CHURCH	Category B Listed Building	Medium	Low	Minor/ Negligible
26 HIGH STREET, ROYAL BANK OF SCOTLAND	MDG20312	BANK (FINANCIAL)	Category B Listed Building	Medium	Low	Minor/ Negligible
74, 76 HIGH STREET	MDG20315	SHOP; HOUSE	Category B Listed Building	Medium	Low	Minor/ Negligible
78-6 HIGH STREET (EVEN NUMBERS ONLY)	MDG20316	SHOP; HOUSE	Category B Listed Building	Medium	Low	Minor/ Negligible
LAURIE'S WYND, FORMER CRICHTON SCHOOL	MDG20319	SCHOOL	Category B Listed Building	Medium	Low	Minor/ Negligible
LAURIE'S WYND, CRICHTON SCHOOLHOUSE	MDG20320	SCHOOLHOUSE	Category B Listed Building	Medium	Low	Minor/ Negligible
QUEENSBERRY SQUARE, SCHOOL (RANGE TO NORTH EAST)	MDG20321	SCHOOL	Category B Listed Building	Medium	Low	Minor/ Negligible
CRAIGDARROCH	MDG25663	GREEN SPACE	Non Inventory Gardens and Designed Landscapes	Low	Low	Negligible
ELIOCK	MDG25662	GREEN SPACE	Non Inventory Gardens and Designed Landscapes	Low	Low	Negligible

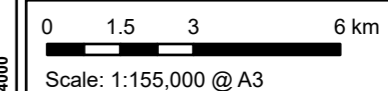
397 Herds Hill

Legend

-  Site Boundary
-  Wind Turbine (149m to Tip)
-  20km Study Area
- No. Blade Tips (149m) Theoretically Visible
 -  0
 -  1
 -  2
 -  3



Notes: N/A
Revisions: N/A
Layout: 397-220905-9005-C



Appendix 9.3- Blade Tip ZTV (149m)

Date: 06/11/2023 Ref: 397-221213-7030-B
Produced: GW Reviewed: DW Approved: GC



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Appendix 9.4- Summary of all assets that were scoped into the assessment, within 10km.

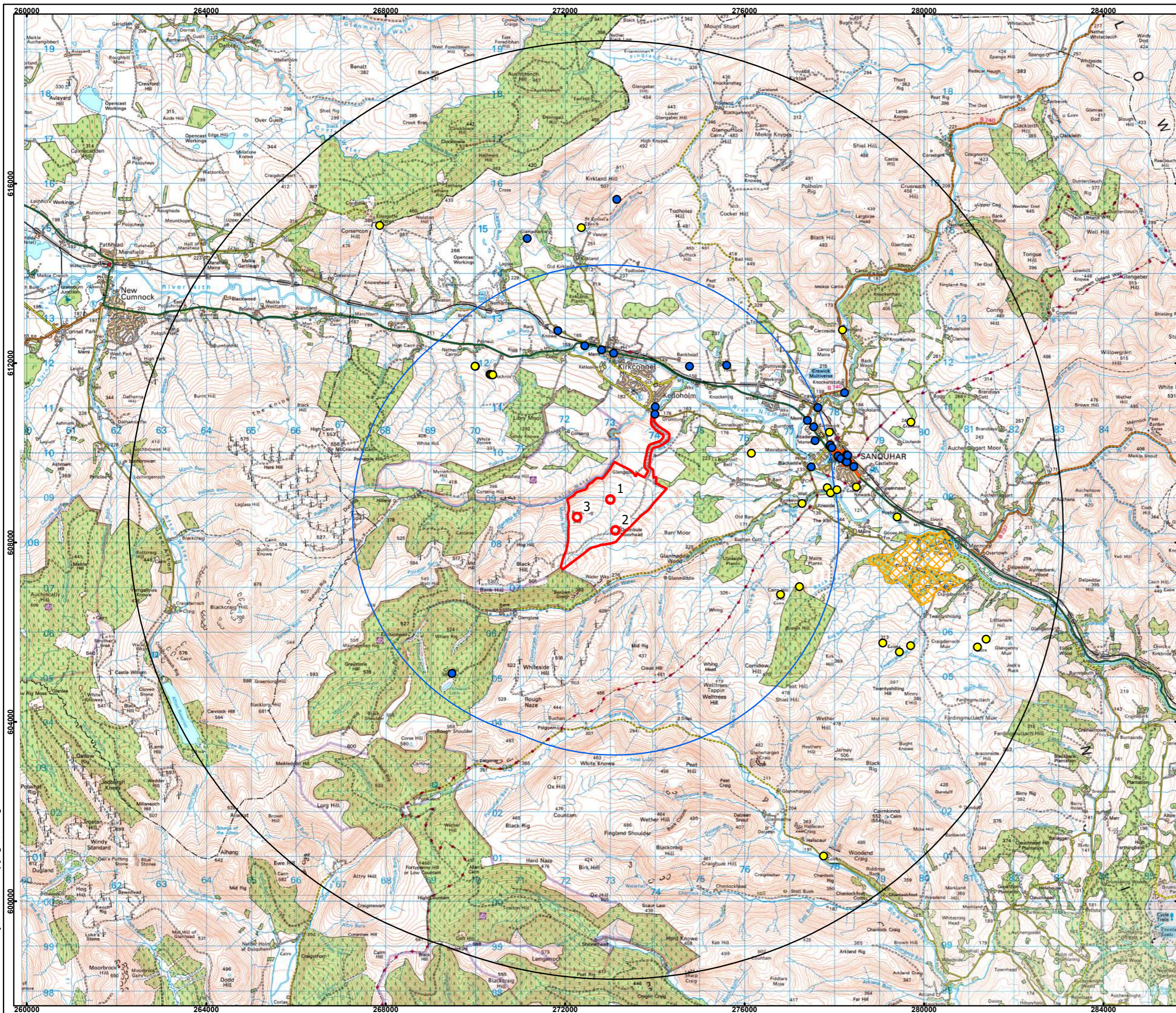
Name	HER reference	Description	Type	Importance	Magnitude of Impact	Level of Impact
Within 5km						
KEMPS CASTLE	MDG28 (SM656)	MOTTE; FORT	Scheduled Monument	High	Low	Minor
DEIL'S DYKE	MDG11235, MDG11244, MDG11245, MDG11246, MDG11247, MDG11249, MDG12838.	LINEAR EARTHWORK	Non-statutory sites likely to be of National Importance	High	Low	Minor
CAIRN HILL	MDG43	CAIRN	Non-statutory sites likely to be of National Importance	High	Low	Minor
EUCHAN FOOT	MDG55, MDG56	RING DITCH	Non-statutory sites likely to be of National Importance	High	Low	Minor
KIRKCONNEL VILLAGE KIRKCONNEL PARISH CHURCH & CHURCHYARD	MDG17831	CHURCH	Grade B Listed Building	Medium	Low	Minor
KIRKCONNEL VILLAGE QUEENSBERRY HOTEL	MDG17832	HOTEL	Grade B Listed Building	Medium	Low	Minor
THE KNOWE FARMHOUSE AND STEADING	MDG17834	FARMHOUSE; FARMSTEAD	Grade B Listed Building	Medium	Low	Minor
TOWER FARMHOUSE	MDG17835	FARMHOUSE	Grade B Listed Building	Medium	Low	Minor
CRAWICK BRIDGE (A76 OVER CRAWICK WATER)	MDG17885	ROAD BRIDGE	Grade B Listed Building	Medium	Low	Minor
KIRKCONNEL VILLAGE, OLD CHURCH HOUSE (FORMER MANSE)	MDG18050	MANSE; HOUSE	Grade B Listed Building	Medium	Low	Minor
BLACKADDIE BRIDGE (OVER RIVER NITH)	MDG20294	ROAD BRIDGE	Grade B Listed Building	Medium	Low	Minor
KELLO BRIDGE	MDG17018	Farmstead	Grade B Listed Building	Medium	Medium	Minor
SANQUHAR	MDG105	FORTLET	Archaeological sites of regional and local importance	Medium	Low	Minor
BANKHEAD	MDG116	ROAD; FORTLET	Archaeological sites of regional and local importance	Medium	Low	Minor
SANQUHAR	MDG91	CAIRN	Archaeological sites of regional and local importance	Medium	Low	Minor
OLD KELLOSLIDE, 'CULLOW'	MDG25507	ENCLOSURE; FARMSTEAD	Archaeological sites of regional and local importance	Medium	Medium	Minor
Between 5km and 10km						
SEAN CAER / SANQUHAR	MDG102	EARTHWORK	Non-statutory sites likely to be of National Importance	High	Low	Minor
BLACK LOCH / LOCH OF SANQUHAR	MDG110	CRANNOG	Non-statutory sites likely to be of National Importance	High	Low	Minor
GLENGENNY	MDG161	CAIRN	Non-statutory sites likely to be of National Importance	High	Low	Minor
GRIEVE HILL TO DUMFRIES	MDG21369	WAGONWAY	Non-statutory sites likely to be of National Importance	High	Low	Minor
GLENWHARRIE	MDG21444	FARMSTEAD; QUARRY; RIDGE AND FURROW	Non-statutory sites likely to be of National Importance	High	Low	Minor
TWENTY SHILLING BURN / Deil's Dyke	MDG40	CAIRN	Non-statutory sites likely to be of National Importance	High	Low	Minor
THE RIG	MDG44	CAIRN	Non-statutory sites likely to be of National Importance	High	Low	Minor

TWENTY SHILLING BURN	MDG47	CAIRN	Non-statutory sites likely to be of National Importance	High	Low	Minor
SANQUHAR	MDG60	WALL; DEER PARK	Non-statutory sites likely to be of National Importance	High	Low	Minor
DEIL'S DYKE	MDG11248	LINEAR EARTHWORK	Non-statutory sites likely to be of National Importance	High	Negligible	Minor/ Negligible
GLENWHARRIE	MDG24843	ENCLOSURE	Non-statutory sites likely to be of National Importance	Medium	Low	Minor
LITTLE KIRKLAND HILL	MDG8961	SETTLEMENT	Archaeological sites of regional and local importance	Medium	Low	Minor
ORCHARD	MDG112 (SM679)	CROSS	Scheduled Monument	High	Negligible	Negligible
SANQUHAR CASTLE	MDG50 (SM687)	CASTLE	Scheduled Monument	High	Low	Minor
RYEHILL	MDG63 (SM708)	MOTTE	Scheduled Monument	High	Low	Minor
ST CONNELL'S CHURCH	MDG75 (SM13747)	CEMETERY; CROSS; CHURCH	Scheduled Monument	High	Low	Minor/ Negligible
HIGH STREET, TOLBOOTH/TOWN HOUSE	MDG20298	TOLBOOTH	Grade A Listed Building	High	Negligible	Minor
SANQUHAR, CHURCH	MDG108	CHURCH	Grade B Listed Building	Medium	Low	Minor
CRAWICK VIADUCT (OVER CRAWICK WATER AND B740)	MDG17868	VIADUCT	Grade B Listed Building	Medium	Low	Minor

397 Herds Hill

Legend

- Site Boundary
 - Wind Turbine (149m to Tip)
 - Wind Turbine Buffer (5km)
 - Wind Turbine Buffer (10km)
 - Non Inventory Gardens and Designed Landscapes
 - Conservation Areas
- Heritage Assets
- Nationally Important
 - Regionally Important



Notes: N/A
 Revisions: N/A
 Layout: 397-220905-9005-C

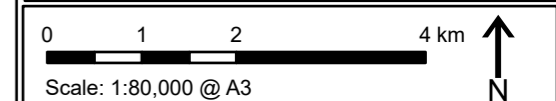


Figure 9.1- Cultural Heritage Assets within 10km

Date: 02/11/2023 Ref: 397-231102-7092
 Produced: GW Reviewed: DW Approved: GC

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397 Herds Hill

Legend

- Site Boundary
- Wind Turbine (149m to Tip)
- Wind Turbine Buffer (5km)

Heritage Assets

- Nationally Important
- Regionally Important

ID	Asset
1-7	DEIL'S DYKE
8	THE KNOWE FARMHOUSE
9	KIRKCONNEL VILLAGE, OLD CHURCH HOUSE (FORMER MANSE)
10	KIRKCONNEL VILLAGE CHURCH & CHURCHYARD
11	KIRKCONNEL VILLAGE QUEENSBERRY HOTEL
12	BANKHEAD
13	OLD KELLOSIDE, 'CULLOW'
14	KELLO BRIDGE / BIRKBURN
15	TOWER FARMHOUSE
16	CRAWICK BRIDGE (A76 OVER CRAWICK WATER)
17	SANQUHAR (FORTLET)
18	SANQUHAR (CAIRN)
19	BLACKADDIE BRIDGE (OVER RIVER NITH)
20-21	EUCHAN FOOT
22	KEMP'S CASTLE, EUCHAN WATER
23	CAIRN HILL
24	CRUFFELL

Notes: Asset 24 (CRUFFELL), has been scoped out of the assessment.
 Revisions: N/A
 Layout: 397-220905-9005-C

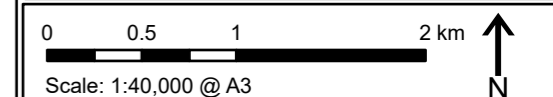


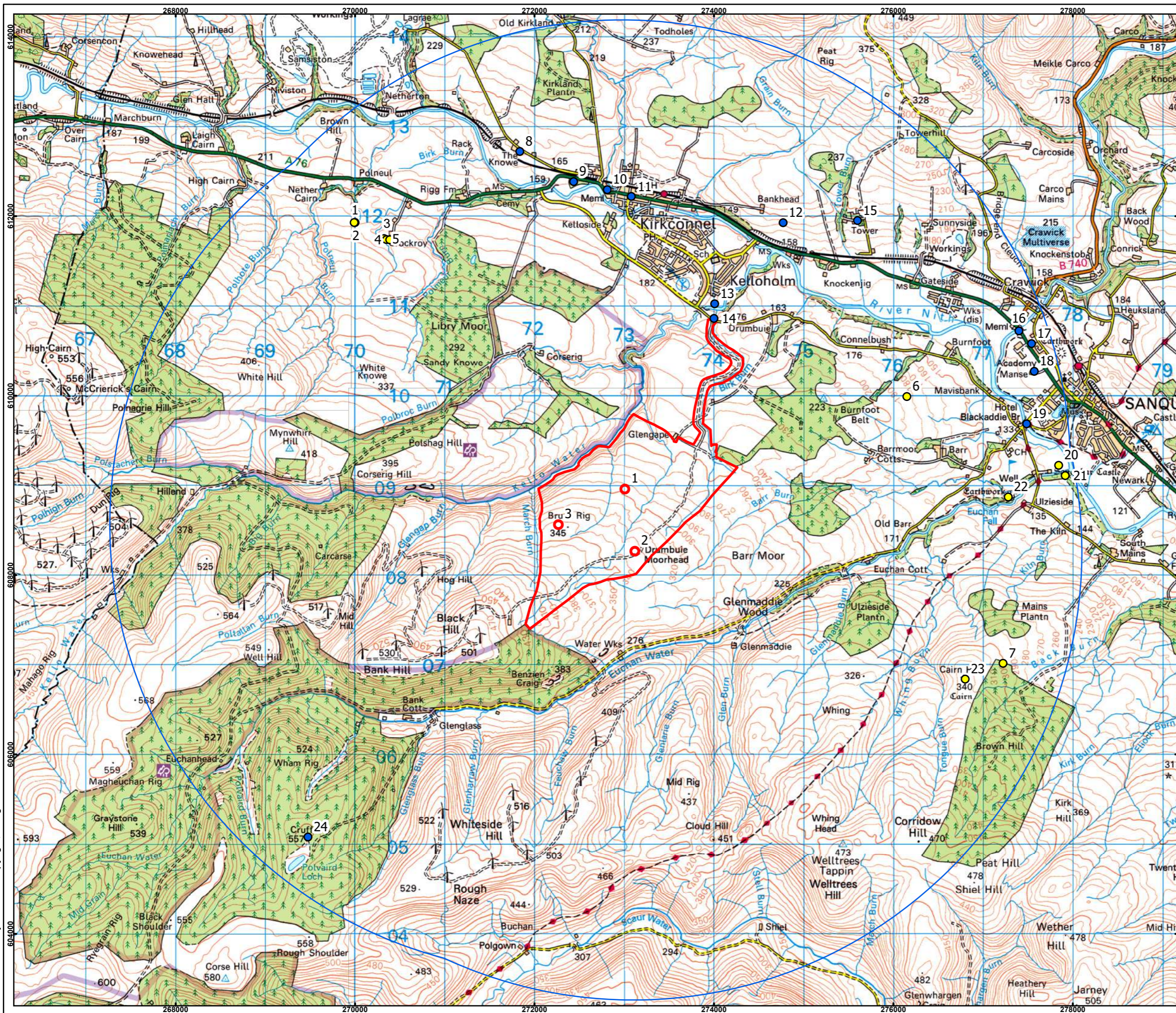
Figure 9.2- Cultural Heritage Assets within 5km

Date: 07/11/2023 Ref: 397-231102-7093
 Produced: GW Reviewed: DW Approved: GC



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397 Herds Hill

Legend

- Site Boundary
- Wind Turbine (149m to Tip)
- + Category A Listed Building
- + Category B Listed Building
- Scheduled Monument

ID	HERref
1	MDG75
2	MDG17834
3	MDG18050
4	MDG17831
5	MDG17832
6	MDG17018
7	MDG17835
8	MDG112
9	MDG17870
10	MDG17868
11	MDG17885
12	MDG20294
13	MDG20296
14	MDG108
15	MDG20321
16	MDG20295
17	MDG20298
18	MDG20312
19	MDG20305
20	MDG20319
21	MDG20320
22	MDG20306
23	MDG20315
24	MDG20316
25	MDG20307
26	MDG20309
27	MDG50
28	MDG28
29	MDG63

Notes: N/A
 Revisions: N/A
 Layout: 397-220905-9005-C

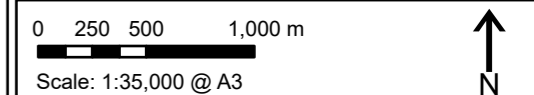
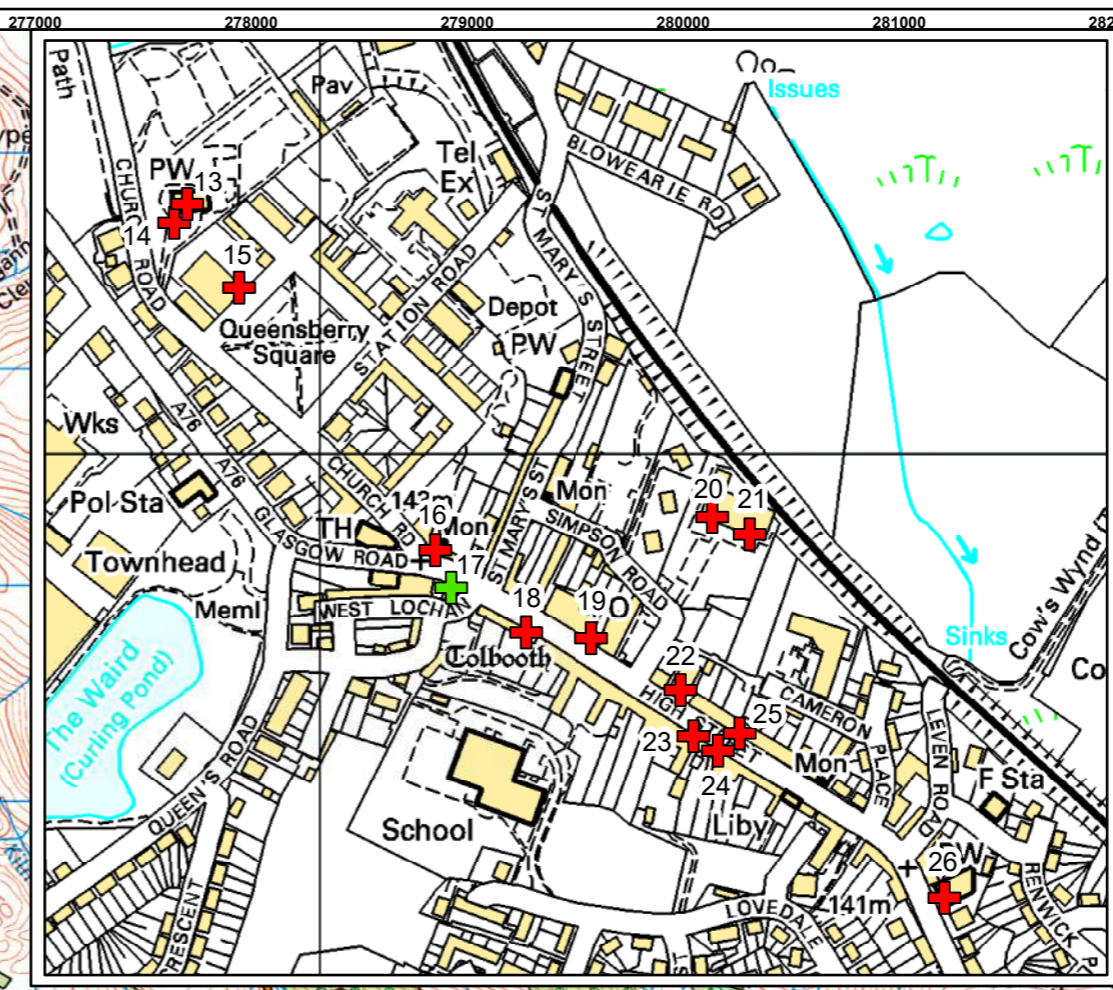
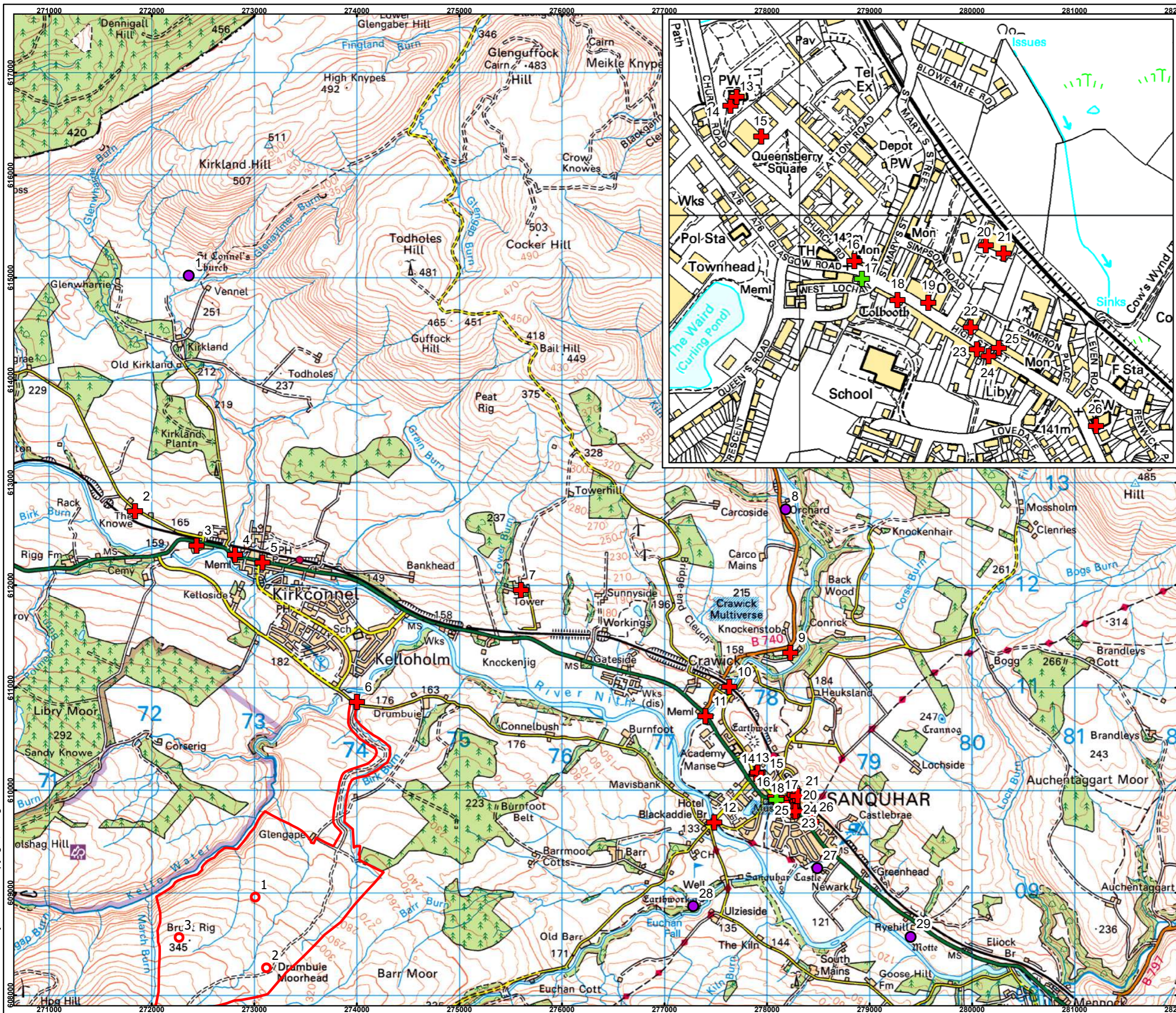


Figure 9.3- Listed Buildings and Scheduled Monuments in Sanquhar and Kirkconnel

Date: 10/11/2023 Ref: 397-231110-7096
 Produced: GW Reviewed: DW Approved: GC

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