

Aden, Bethel, Caernarfon Historic Environment Assessment



Report by: Trysor

For: WindFlow Hammer Ltd

September 2015



Aden, Bethel, Caernarfon Historic Environment Assessment

By

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Trysor

Trysor Project No. 2015/474

For: WindFlow Hammer Ltd

September 2015

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Cover photograph: Looking southwest towards the turbine location from in front of the house and farm buildings at Aden.

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RHIF YR ADRODDIAD - REPORT NUMBER: Trysor 2015/474

DYDDIAD 30^{ain} Medi 2015 DATE 30th September 2015

Paratowyd yr adroddiad hwn gan bartneriad Trysor. Mae wedi ei gael yn gywir ac yn derbyn ein sêl bendith.

This report was prepared by the Trysor partners. It has been checked and received our approval.

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Croesawn unrhyw sylwadau ar gynnwys neu strwythur yr adroddiad hwn.

We welcome any comments on the content or structure of this report.

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1. Summary

1.1 This historic environment assessment has been undertaken by Trysor to examine likely impacts on the historic environment from a proposed wind turbine on land at Aden Farm, Bethel, Caernarfon.

1.2 A field visit was undertaken to examine the location of the turbine and record previously unknown historic assets. Information was also gathered on the indirect, visual impacts on historic assets within the wider landscape.

1.3 The assessment has studied the impacts on all recorded historic assets within an area measuring 2km in radius, focused on SH5189564437, the location of the proposed turbine. The regional Historic Environment Record and the National Monuments Record were consulted, as well as historical mapping.

1.3.1 There are five Scheduled Ancient Monuments within the 2km radius. Two of these would experience a Very Low, indirect, visual impact from the development, with no impact on setting and three would experience a Low, indirect, visual impact from the development, with no impact on setting.

1.3.2 Twelve Listed Buildings lie within the 2km assessment area, four of which would also experience a Very Low, indirect, visual impact, with no impact on setting.

1.4 The impact on all designated historic assets within an area between 2km and 5km in radius, focused on SH5189564437, the location of the proposed turbine was assessed.

1.4.1 Twenty six Scheduled Ancient Monuments are found within 2km to 5km, none of these would experience a Very Low, indirect, visual impact, with no impact on their settings.

1.4.2 389 Listed Buildings are found within a 2km to 5km radius. One would experience a Low, indirect, visual impact from the development, with a Low impact on its setting. Four would experience a Low, indirect, visual impact, with no impact on their settings. Ten would experience a Very Low, indirect, visual impact, with a no impact on their settings.

1.4.3 There are five Registered Parks & Gardens within a 2km to 5km radius of the proposed development. One would experience a Very Low, indirect, visual impact, with no impact on setting. One would experience a Low, indirect, visual impact with a Low impact on setting.

1.4.4 There are no Conservation Areas within a 2km radius of the proposed development and three within a 2km to 5km radius, which

would not be intervisible with the proposed turbine and would not experience any impacts on their settings.

- 1.5 There is no surface evidence at the proposed turbine site pointing to the presence of buried archaeological features, but the area has a rich archaeological resource, including prehistoric and later settlement sites and the, as yet unidentified line of the Roman road to Segontium passes though the district. A minimum of a watching brief on the excavation of the turbine base and the cable trench which would link the turbine to an electricity substation near Aden farmyard might be considered as appropriate mitigation for this development.

2. Copyright

- 2.1 Trysor holds the copyright of this report. Further copies may be made of this report without gaining permission to reproduce but it must be noted that Figures 3 and 5 include other copyrighted material and should not be copied.

3. Introduction

- 3.1 Colin Risbridger of WindFlow Hammer Ltd, Westray, Orkney, KW17 2DR has commissioned Trysor heritage consultants on behalf of their clients, to write an Historic Environment Assessment for a proposed turbine on land southwest of Aden, Bethel, Caernarvon, LL55 1UB.
- 3.2 Trysor prepared a specification based on the Chartered Institute for Archaeologists *Standard and Guidance for Historic Environment Desk-based Assessment* (CIfA, 2014) as well as correspondence with Jenny Emmett of Gwynedd Archaeological Trust on another turbine to be developed in conjunction with this turbine, see Appendix A.

4. The proposed development

- 4.1 It is proposed that a single turbine, 38 metres to hub and 60.5 metres to the upright blade tip, is located at approximately SH5189564437 to the south of the buildings at Aden Farm, Bethel, Caernarfon, LL551UB see Figure 1 and Appendix F.
- 4.2 A foundation hole, less than 10 metres by 10 metres in plan, will be excavated for the turbine base through the subsoil. An area of hardstanding, 20 metres by 8 metres, will be created to the northwest of the turbine.
- 4.3 A short track will run to the turbine from the farm track to the southwest.
- 4.4 The cable will run back to a substation southwest of the farm buildings at Aden.

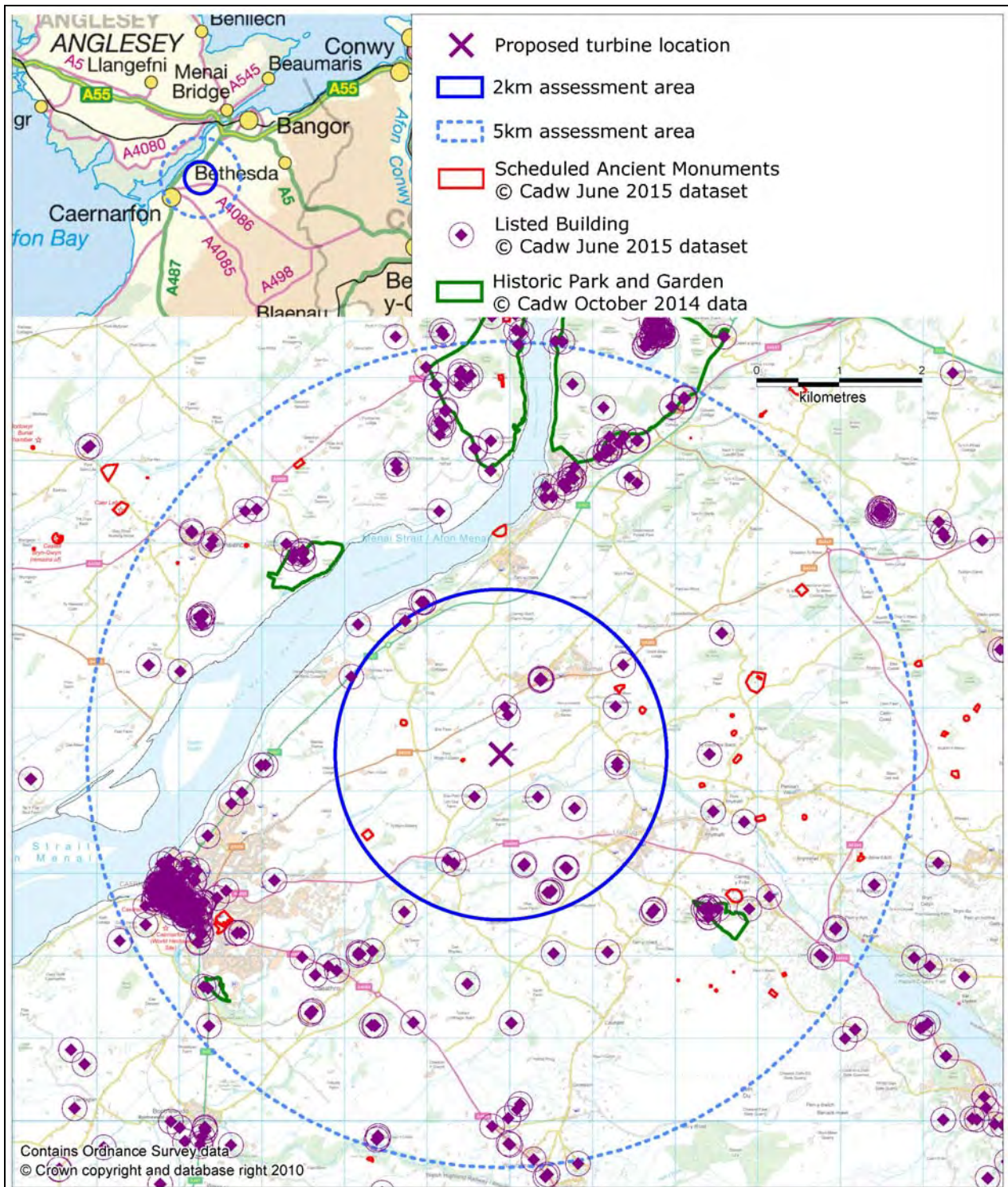


Figure 1: Location of the proposed turbine, showing the 2km, and the 2km to 5km assessment areas.

5. Methodology

- 5.1 A study area of 2km radius centred on SH5189564437, the proposed turbine site, was chosen for the initial assessment of all recorded historic assets. Some historic assets were excluded from further assessment where there was no intervisibility between the turbine blade tip and the historic asset and no impact on setting, see Figure 2.
- 5.2 Data from the regional Historic Environment Record held by Gwynedd Archaeological Trust was acquired for the 2km assessment.
- 5.3 Historic mapping was consulted. The maps used included 19th and 20th century 1:2500 scale Ordnance Survey mapping and the Llanddeiniolen parish tithe map of 1839 and accompanying tithe schedule of 1839.
- 5.4 A site visit was made to the proposed turbine site, and the surrounding area, on June 25th, 2015. Visible archaeological features within the area directly affected by the turbine proposal were searched for and any other historic assets that on which there may be a direct impact recorded. The wider landscape was also studied taking note of topography, vegetation and structures.
- 5.5 The aerial photographs on Google Earth, dating to 2006, 2009, 2010 and 2012, were used to inform the assessment as well as the more recent aerial photographs on the People's Collection.
- 5.6 Elevation profiles, in conjunction with photos from the site visit, were used assess to intervisibility, views and impact on setting as well as a ZTVs created by Trysor.
- 5.7 Modern mapping was used to assess current public access.
- 5.8 All information gathered during the desktop assessment and site visit was entered into a bespoke database created in Access 2003 to form an assessment dataset.
- 5.9 The dataset is the source of the material output in this report, including the GIS mapping which illustrates the location of historic assets in the area, and the tables and appendices which provide detailed information on the historic assets within the study area.
- 5.10 Each of the records in the final assessment 2km dataset was assessed for Period, Rarity, Documentation, Group Value¹, as well as Evidential Value, Historical Value, Aesthetic Value, Communal Value². Once these had been considered the significance of each historic asset was determined and scored in accordance with the categories adopted by

¹ Period, Rarity, Documentation and Group Value are criteria defined in the Welsh Office Circular 60/96, 1996.

² Evidential Value, Historical Value, Aesthetic Value and Communal Value are criteria defined in Cadw's Conservation Principles publication, 2011.

the Welsh Archaeological Trusts i.e. Nationally Important, Regionally Important, Locally Important, Minor Importance and Features Needing Further Investigation (Unknown), see Figure 3. Full details of this exercise are given in Appendix B.

- 5.11 Sites of Minor Importance were not assessed further unless there would be a direct impact, although they are included in Table 1 and Appendix B,
- 5.12 A further area of between 2 to 5 km radius, centred on SH5189564437, was used to assess the impact on designated sites only. Designated sites were excluded from further assessment if they would not be intervisible with the turbine and there could be no impact on setting.
- 5.13 Data supplied by Cadw was used to assess designated sites within 2 to 5km of the development site.
- 5.14 Separate tables were created for Listed Buildings, Scheduled Ancient Monuments and Parks and Gardens giving the distance from the development, current public access and the impact on the setting of the monument.
- 5.15 The type of historic asset, how it lies within the landscape, distance from the development, topography, intervening structures and vegetation and current public access were assessed. This information was used to assess the impact on the setting of the historic asset (see Appendices C, D and E).

6. The Development Site

- 6.1 The proposed development site lies at about 80 metres in altitude, on the northwest-facing flank of a low ridge which runs northeast to southwest and divides the Cadnant and Seiont valley. The land is chiefly of improved pasture divided into small to medium-sized fields, mostly irregular in form. Many of these are defined by mature hedgerows, but some, including the fields around the farm buildings at Aden, are divided by post and wire fences. The development site is located at the western end of a narrow strip of land which is managed as unimproved pasture, within the farmed landscape. The site itself has had hardcore and stone spread across it in modern times and been used as a hard-standing area. The turbine would be positioned on the line of a field boundary bank to the northern edge of this hard-standing area.
- 6.2 The geology at the development site consists of alluvial deposits up to 2 million years old, including clays, silts, sands and gravels deposited when the area was dominated by river systems in the Quaternary period. A narrow band of these drift deposits passes across the site, masking bedrock which consists of siltstones of the Nant Ffrancon Subgroup, deposited in shallow sea conditions during the Ordovician period, between 451 and 479 million years ago.

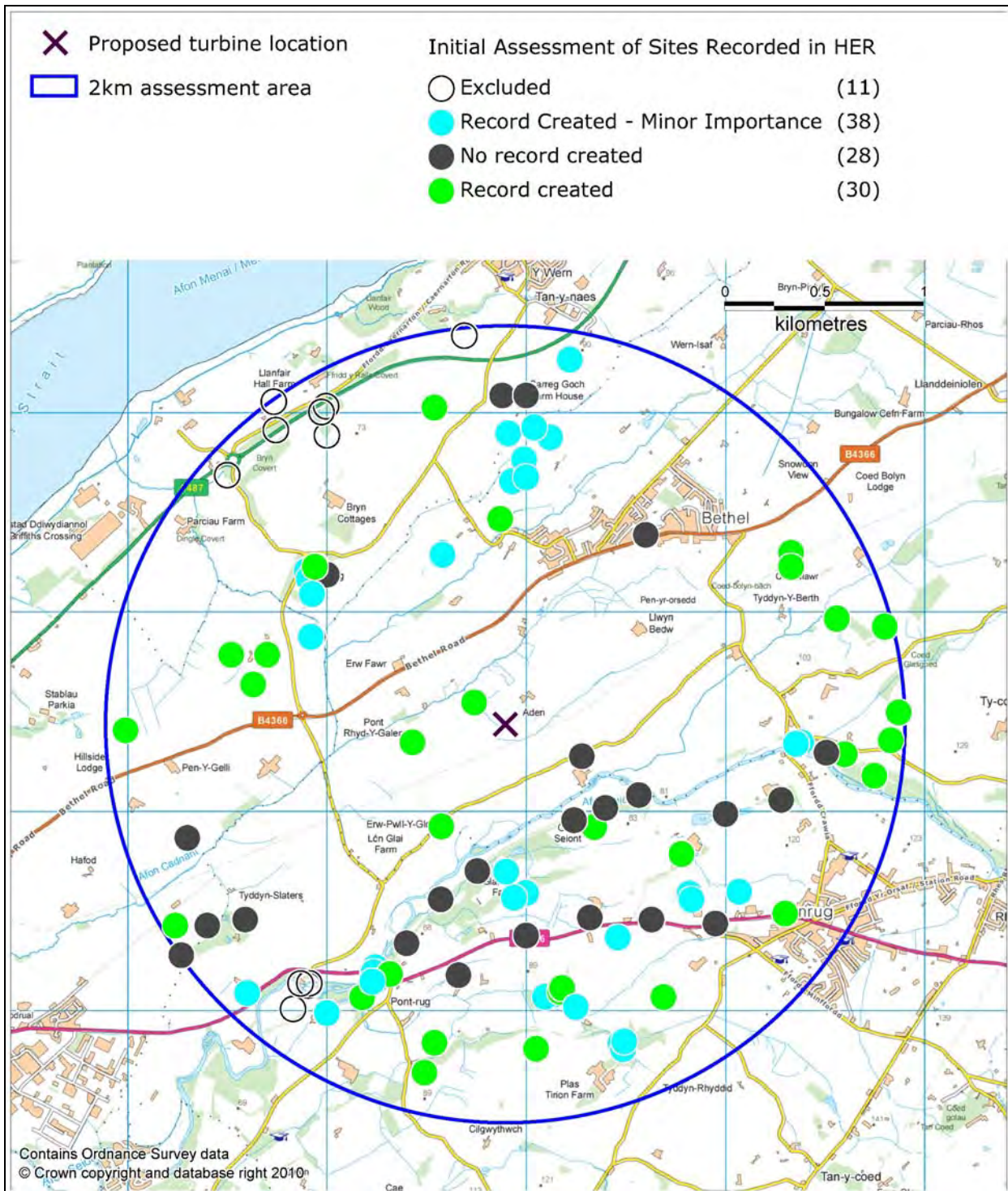


Figure 2: Historic assets excluded from further assessment based on no intervisibility with the turbine and no possible impact on setting, or record that did not relate to a physical historic asset, the location of which could be identified on the ground.

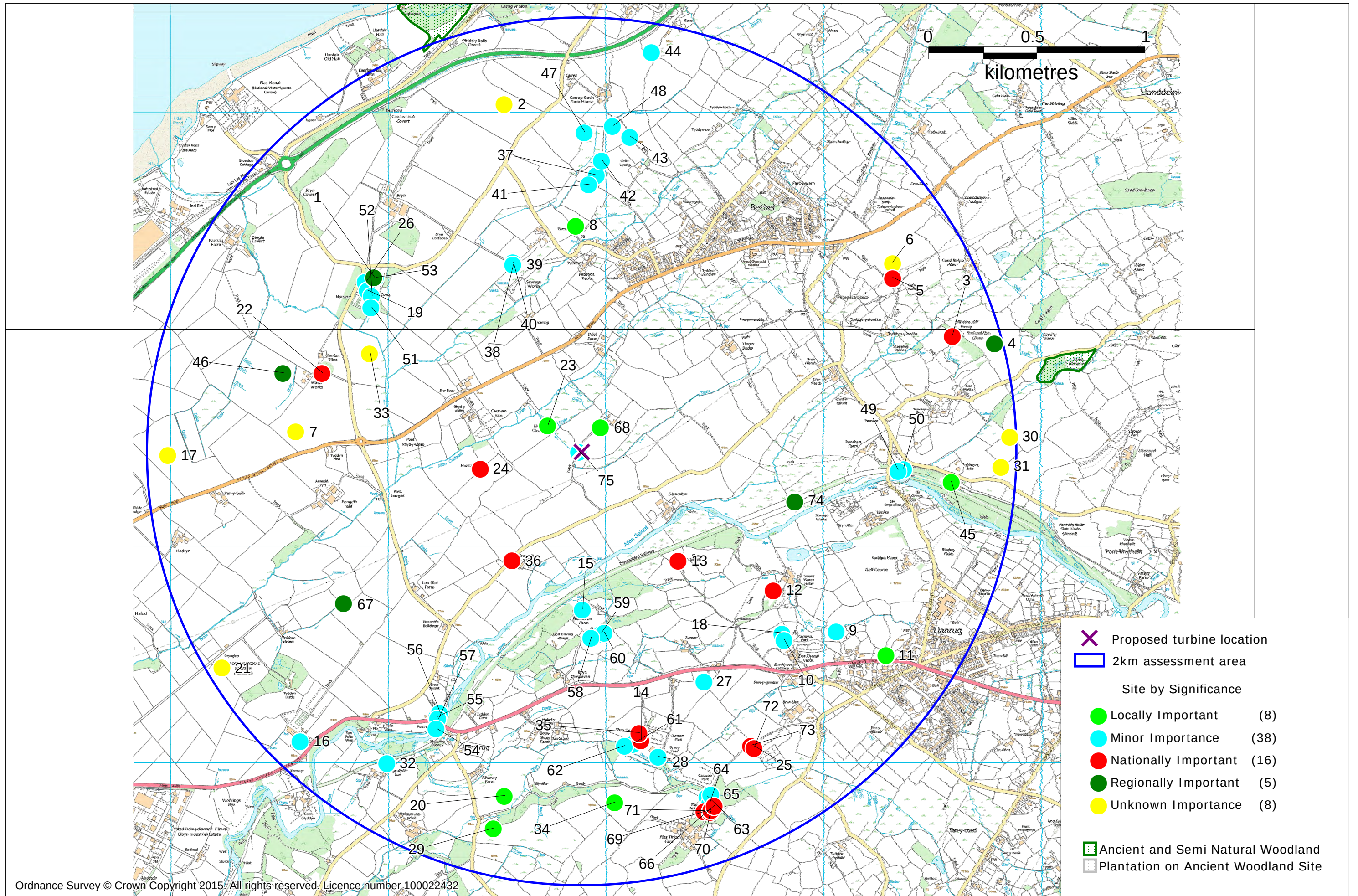


Figure 3: The 2km assessment area showing significance of historic assets within the revised dataset, labelled with Project ID number

7. Archaeological Overview

7.1 Palaeolithic and Mesolithic (250,000BC – 4,000BC).

7.1.1 There are no records of artefacts or sites associated with the Palaeolithic period or Mesolithic period recorded in the HER within a 2km radius of the proposed turbine site.

7.2 Neolithic and Earlier Bronze Age (4000BC – 1500BC).

7.2.1 There is no confirmed evidence of Neolithic activity recorded in the HER within a 2km radius of the proposed turbine site. A possible Neolithic burial chamber is recorded at Bryn, Y Felinheli (ID number 2) but it is suspected that it may be a natural feature.

7.2.2 Several Neolithic burial sites are recorded within a 2km to 5km of the proposed turbine, such as the Perthi Duon Burial Chamber (AN059) across the Menai Strait on Anglesey.

7.2.3 There are a small number of sites of early Bronze Age date. In the mid-19th century, several Bronze Age cremation burials were excavated at Bryn Crug, Bethel (ID number 1). Excavations in 1855 and 1868 uncovered cinerary urns and a pygmy cup as well as associated grave goods, including a bronze knife, palstave axe and a bronze pin. There is also a record of a copper alloy axe-head discovered near Crug, which is likely to date from the early Bronze Age (ID number 46). A possible Bronze Age funerary cairn is also known near Penygelli, Caernarfon (ID number 17). Whilst undertaking this assessment, the clear cropmark of a possible Bronze Age ring ditch was noted near Tyddyn Slaters (ID number 67). Another cropmark ring ditch site is also recorded at Caerlan Tibot (ID number 7).

7.2.4 There are several examples of scheduled sites of early Bronze Age date are found within a 2km to 5km radius of the proposed turbine site. These include the Parcygleision standing stone (SAM number 392) and Carreg Lefain cairn (SAM number 390), which are positioned on high ground almost 4km to the southeast of the turbine site. 4km to the northwest, on Anglesey, is a large round barrow near Brynsiencyn (SAM number AN060).

7.3 Later Bronze Age and Iron Age (1500 BC – AD43).

7.3.1 There are no records of later Bronze Age activity within the 2km appraisal area.

7.3.2 There are no sites recorded as being of specifically Iron Age date within a 2km radius of the proposed turbine site. A circular earthwork enclosure at Caerlan Tibot (ID number 22) may be of Iron Age date, but this has not been proven archaeologically and a later date is also possible for the monument, which could be a medieval ringwork. Five records in the HER relate to Hut Circles or Hut Circle Settlements which are ascribed Prehistoric dates (ID numbers 5, 6, 23, 24 & 31). It is possible that these sites are of Iron Age date, although the excavation

data presently available from a similar site at Cae Metta (ID number 4) suggests that Hut Circle settlements in this area may well be of Romano-British date.

7.3.3 Several example of a scheduled Iron Age defended settlement sites are found within a 2km to 5km radius of the proposed turbine site. Hillforts and defended enclosures are typical settlements of the Iron Age and were protected by earthwork and stone ramparts and ditches when in use. Round houses, often described as 'hut circles' in archaeological literature, were the typical style of building constructed for domestic use within the defended settlements, as well as in undefended settlements in the wider landscape, which rarely survive. Local hillforts include the large multivallate hillfort at Dinas Dinorwic (CN017). Several hut circles survive within the defences of Caer Carreg y Fran (CN058) and two hut circles have also been noted inside the defended enclosure of Pen Isa'r Waun Camp (CN050). The Caer Idris hillfort (AN051) across the Menai Strait on Anglesey is now completely hidden within woodland. These local examples show that the district was settled by an organised society during the Iron Age, with the hillforts only representing one aspect of the settlement pattern. It is likely that smaller settlements and farms also existed in the wider landscape. It is possible that some of the undefended hut circle settlements noted in the HER date to the Iron Age, or have origins in the Iron Age, but this has not yet been proven archaeologically.

7.4 Roman (AD43 – AD410).

7.4.1 The survey area lies relatively close to the Roman fortress of Segontium, which is now found within Caernarfon town. It is thought that a Roman road approached Segontium from the northeast, following the approximate line of the Seiont valley through the Bethel or Llanrug area. Several records in the HER are related to postulated road lines (PRNs 17563-64, 17589-95 & 17831-32) but these have not been included in the assessment as they record possible, not proven road lines. As yet, no firm archaeological evidence has been produced to prove the course of the road.

7.4.2 There is archaeological evidence for Roman and Romano-British activity within a 2km radius of the proposed turbine, which is perhaps to be expected in view of the proximity of Segontium and the likely route of the Roman road through the area. Perhaps one of the most significant sites is found near Bryn Glas (ID number 21), which was interpreted as a Roman Signal Station when excavated by Mortimer Wheeler in 1921. Second century AD pottery was found as well as decomposed red brick which it was thought might indicate the presence of a nearby Roman villa. Geophysical survey by GAT in 1995, however, suggested that the site has a rather different purpose and it was reinterpreted as a probable Romano-British settlement. Another excavated site, Cae Metta (ID number 4) was found to be a native settlement from the Roman period. Amongst the find here were Roman pottery dating to the 1st to

4th centuries, including Samian ware, black burnished wares, amphorae and some pieces of lead and iron. Further records of interest within the 2km radius include two discoveries of Roman coin hoards (PRNs 35 & 3716) and a Roman fibula brooch from Crug Farm (PRN 7042).

7.4.3 Within the 2km to 5km radius of the proposed turbine site are found the scheduled Roman fort of Segontium (CN006), which was founded in the late 1st century AD and was used into the last quarter of the 4th century AD. Nearby stands a small, later fort known as the Lower Fort (CN094), which may have been ancillary to Segontium or possibly even represent a late Roman fort designed to guard the coastline from Irish incursions, with a much smaller garrison than that previously stationed at Segontium.

7.5 Early Medieval (AD410 – AD1100).

7.5.1 There are no records of Early Medieval activity in the revised appraisal area within a 2km radius of the proposed turbine site.

7.5.2 There are no records of Early Medieval activity in the revised appraisal area within a 2km to 5km radius of the proposed turbine site.

7.6 Medieval (AD1100 – AD1539).

7.6.1 There are few sites of medieval date recorded in the HER within a 2km radius of the proposed turbine site. The parish church of St. Michael's, Llanrug (ID number 25) is perhaps the most significant. The building still retains some 15th century fabric and continues in use to the present day. The church is a symbol of the ecclesiastical order of the district during this period, but there is also documentary evidence which shows that the secular and economic life of the district was also highly organised throughout medieval times, shown in the record for the medieval township of Llanrug (ID number 32). There is scant archaeological evidence for medieval settlement and activity currently recorded within a 2km radius, although an earthwork house platform and associated enclosure near Plastirion Lodge (ID number 29) may be of medieval date.

7.6.2 There is no doubt that the wider area was well-organised and well-settled throughout medieval times, both under Welsh and Norman rule. A key symbol of the struggle for control waged between the Princes of Gwynedd and the English Crown is found within a 2km to 5km radius of the turbine site stand. Caernarfon Castle (CN079) and sections of the fortified walls (CN034) surrounding the medieval town are located some 4.5km to the west-southwest of Aden.

7.7 Post Medieval & Modern (AD1539 – present day).

7.7.1 Most of the historic assets recorded within a 2km radius of the proposed turbine site date to the Post Medieval period. They are predominantly records of settlements, ranging from humble cottages to country houses and associated estate features. Some industrial sites, such as the Crawia Slate Mill (ID number 45) are also included, as well as features associated with the development of communications links during the industrial period, such as the Carnarvon & Llanberis branch line of the L&NWR (ID number 74) which operated for almost a century before closure in 1964.

7.7.2 A significant number of listed country houses and estate buildings and features are found within a radius of 2km to 5km from the proposed turbine site. These include significant estates on both the mainland, such as Bryn Bras Castle to the south, and those across the Menai Straits on Anglesey, such as Plas Newydd. Most, however, were shown by the ZTV to be in areas which would not be intervisible with the proposed turbine and were not further assessed, including almost the whole of the Faenol estate, over 4km to the north-northeast of the turbine site.

8. Historical overview

8.1 Map evidence

8.1.1 The Ordnance Survey's Original Surveyors Drawings (Caernarvon sheet), surveyed in 1816 was the first detailed map series of the whole country. It did not map field boundaries but does differentiate between enclosed and unenclosed land. This map shows *Yr Aden* farm in approximately the same position it is found today, but gives no clear detail of the arrangement of buildings or of the field system on the holding.

8.1.2 When the Ordnance Survey published their 1 inch to 1 mile scale First Series map for the area in 1840, based on the 1816 survey, the same picture is presented.

8.1.3 The first detailed map of the field system of the area is the tithe map for Llanddeiniolen parish, dating to 1839 (see Figure 4). This only shows the holding boundary and does not show individual field parcels.

8.1.4 The tithe apportionment, which accompanies the map and was also prepared in 1839, only lists the holding name and ownership and tenancy details. The farm was at that time owned by Griffith John Griffiths and occupied by one David Jones. It was composed of two blocks of land, numbered as parcels 51 (51 acres, including the house) and 48 (42 acres). Field names are not provided.

8.1.5 The 1889 1:2500 scale Ordnance Survey map shows that the field system around the turbine site and the layout of the farm buildings complex. This map shows that the field system has remained relatively unchanged to the present day. The farmhouse stands in the same position and most of the historic farm buildings shown on the 1889 map still stand today, including the main farmyard range which stands to the northeast of the house.

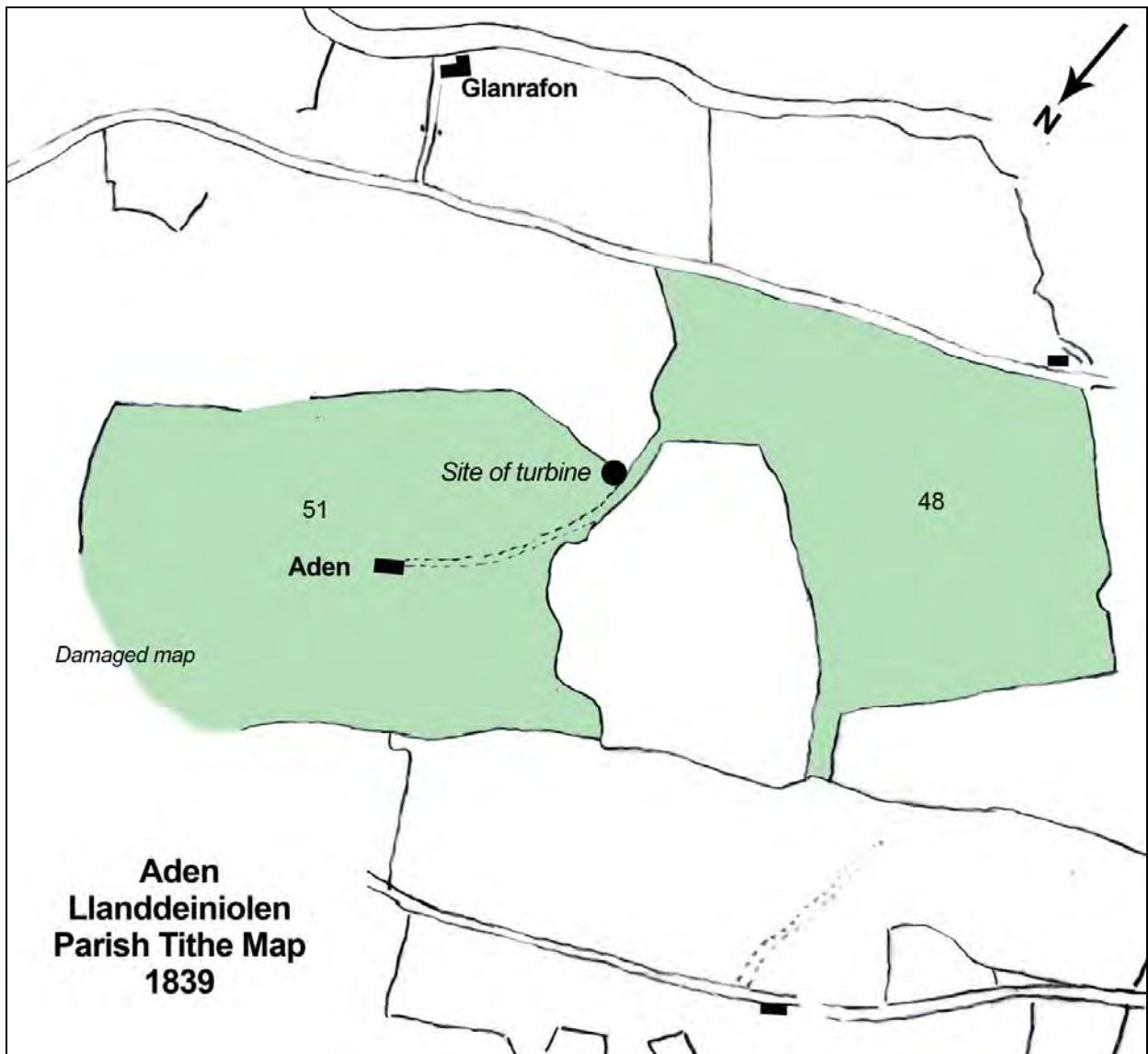


Figure 4: Proposed turbine site, as shown on the Llanddeiniolen parish tithe map of 1839.

9. Impact Assessment

- 9.1 The HER enquiry for the under 2km radius area yielded 107 records.
- 9.2 The proposed development site and its environs were visited on 25th June 2015. The field was pasture at the time and the surface of the field was not visible. The wider landscape context of the proposed development was also considered and the impact on the setting of designated historic assets. This visit was undertaken on an overcast day, with reasonable visibility.
- 9.3 Of the initial 107 records included in the HER for the 2 kilometre assessment area, 11 were excluded as there was no intervisibility and no possible impact on setting. A further 31 records were removed from the dataset; 2 as they were for Historic Landscape Character Areas not sites, 10 were parts of possible Roman road lines for which there was either no evidence or only very limited conjectural evidence, 9 were findspots from which the find had been removed and the locational information was imprecise and no assessment of impact could be made and 10 as they were parts of the L&NWR Carnarvon & Llanberis Branch railway for which just one record was created. Note that the issue of the Roman Road is discussed in section 7.4.
- 9.4 A further thirty eight records in the project dataset were assessed as of Minor Importance with no physical impact, and assessment was not continued on these sites. This includes Locally Important sites where their condition was Nearly Destroyed or Destroyed. They are included in Appendix B and listed below in Table 1.

Table 1: Sites assessed as Minor Importance, or Locally Important but in very poor condition, which were removed from assessment of indirect impact.

ID Number	Site Name	Site Type
9	SMALL HOUSE 'DIDFA', LLANRUG	HOUSE
10	SMALL HOUSE 'BRYN Y FEDWEN', LLANRUG	HOUSE
15	GLAN YR AFON HOUSE, LLANRUG	HOUSE
16	CEFN-TRE-SEIONT HOUSE, LLANRUG	HOUSE
18	BUILDING AND CIRCULAR ENCLOSURE, ERW-HYWEL	BUILDING
19	ICE HOUSE - POSSIBLE, CRUG FARM, GRIFFITHS CROSSING	ICEHOUSE
26	CRUG FARM GARDEN, GRIFFITHS CROSSING	GARDEN
27	BUARTHAU HOUSE, LLANRUG	HOUSE
28	TY'N Y COED HOUSE, LLANRUG	HOUSE
32	RUG MEDIEVAL TOWNSHIP	TOWNSHIP
33	SMALL FIBULA, FINDSPOT, CRUG FARM	FINDSPOT
37	TYDDYN CONGLOG COTTAGE, SITE OF, BETHEL	COTTAGE
38	TRACKWAY, BETHEL	TRACKWAY
39	BLOCKED GATEWAY, BETHEL	GATEWAY
40	PEDESTRIAN GATE, BETHEL	GATE

41	EARLY LAND BOUNDARY, POSSIBLE, BETHEL	BOUNDARY
42	TRACK OR PATH, BETHEL	PATH
43	EARLY LAND BOUNDARY, POSSIBLE, BETHEL	BOUNDARY
44	EARLY LAND BOUNDARY OR ENCLOSURE, POSSIBLE, Y FELINHELI	BOUNDARY
47	LEAD MOUNT, FINDSPOT, Y FELINHELI	FINDSPOT
48	SPINDLE WHORLS, FINDSPOT, Y FELINHELI	FINDSPOT
49	HOUSE, GLAN-DWR	HOUSE
50	BUILDING, E OF GLAN-DWR	BUILDING
51	TANK, SE OF CRUG HOUSE	WATER TANK
52	SHEEP DIP, CRUG HOUSE	SHEEP DIP
53	BUILDING, N OF CRUG HOUSE	BUILDING
54	WEIR, S OF PONT-RUG	WEIR
55	BUILDING 1, N OF PONT-RUG	BUILDING
56	BUILDING 2, N OF PONT-RUG	BUILDING
57	BUILDING AND ENCLOSURE, N OF PONT-RUG	BUILDING
58	BUILDING, S OF GLANRAFON FARM	BUILDING
59	BUILDING 1, SE OF GLANRAFON FARM	BUILDING
60	BUILDING 2, SE OF GLANRAFON FARM	BUILDING
61	BUILDING 1, SW OF PLAS GWYN	BUILDING
62	BUILDING 2, SW OF PLAS GWYN	BUILDING
63	BRIDGE, N OF PLAS TIRION	BRIDGE
64	BUILDING AND ENCLOSURE, N OF PLAS TIRION	BUILDING
65	POND, N OF PLAS TIRION	POND

- 9.5 Ten new records were created in the project database by Trysor. Six were for Listed Buildings which did not have corresponding records in the HER (ID numbers 66, 69, 70, 71, 72 and 73), one was for a cropmark seen on modern aerial photographs with no corresponding record in the HER or NMR (ID number 67), one was for an overall number for the L&NWR Carnarvon & Llanberis Branch railway (ID number 74), one for the farmhouse at Aden (ID number 68) and one for a field bank at Aden (ID number 75).
- 9.6 After the site visit, the historic map search, and the initial assessment of the readily available data the final dataset for the 2km radius assessment area contained 37 records.
- 9.7 Within the 37 records there are five Scheduled Ancient Monuments and twelve Listed Buildings
- 9.8 The Direct and Indirect impact on each of these site was assessed taking into account both physical and non-physical impacts. Each impact was assessed within the scale Very Low, Low, Moderate, High and Very High, taken into account the significance of the site and the nature of the impact. A full table is found in Appendix B but a summary is tabulated in Table 2 below and illustrated in Figure 5.

Table 2: Impact on sites within the assessment area

ID Number	Site Name	Site Type	Level of Direct Impact	Level of Indirect Impact	Level of Impact on Setting
75	ADEN	BANK (EARTHWORK)	High	Low	Low
68	ADEN	HOUSE	None	High	Moderate
5	HUT GROUP, CEFN MAWR	HUT CIRCLE SETTLEMENT	None	Low	None
6	HUT CIRCLE (POSSIBLE), N OF CEFN MAWR	HUT CIRCLE?	None	Low	None
22	CAERLAN TIBOT, ENCLOSURE, NE OF CAERNARFON	ENCLOSURE	None	Low	None
23	HUT CIRCLES AND FIELD SYSTEM, W OF ADEN, CADNANT	HUT CIRCLE SETTLEMENT	None	Low	None
24	HUT CIRCLE, S OF RHYD Y GALEN	HUT CIRCLE	None	Low	None
2	BURIAL CHAMBER (POSSIBLE), NE OF BRYN, FELINHELI	CHAMBERED TOMB?	None	Very Low	None
3	HUT GROUP (ENCLOSED), CAE METTA	HUT CIRCLE SETTLEMENT	None	Very Low	None
4	HUT CIRCLE, NR. CAE METTA	HUT CIRCLE	None	Very Low	None
7	RINGDITCH, NEAR CAERLAN TIBOT	RING DITCH?	None	Very Low	None
12	SEIONT MANOR, FORMER LLWYN Y BRAIN, LLANRUG	HOUSE;HOTEL	None	Very Low	None
17	TUMULUS, NW OF PENYGELLI, NR. CAERNARFON	CAIRN	None	Very Low	None
20	STANDING STONE, POSSIBLE, SE OF AFONWY FARM	STANDING STONE	None	Very Low	None
21	ROMAN SIGNAL STATION, NR. BRYN GLAS	SIGNAL STATION?	None	Very Low	None
25	ST. MICHAEL'S CHURCH, W OF LLANRUG	CHURCH	None	Very Low	None
30	CIRCULAR BANK, GLASGOED	BANK (EARTHWORK)	None	Very Low	None
31	POSSIBLE HUT GROUP, TYDDYN Y FELIN	HUT CIRCLE SETTLEMENT?	None	Very Low	None
34	STANDING STONES, PLASTIRION	STONE SETTING	None	Very Low	None
67	TYDDYN SLATERS	RING DITCH?	None	Very Low	None
72	ST. MICHAEL'S, LLANRUG	BOUNDARY	None	Very Low	None
73	ST. MICHAEL'S, LLANRUG	LYCHGATE	None	Very Low	None
74	L&NWR CARNARVON & LLANBERIS BRANCH	RAILWAY	None	Very Low	None

ID Number	Site Name	Site Type	Level of Direct Impact	Level of Indirect Impact	Level of Impact on Setting
1	URN BURIAL, BRYN CRUG, NEAR BETHEL	CREMATION BURIAL	None	None	None
8	GREUOR, HOUSE, FELINHELI	HOUSE	None	None	None
11	CAE POETH HOUSE, LLANRUG	HOUSE	None	None	None
13	GLAN SEIONT HOUSE, LLANRUG	HOUSE	None	None	None
14	HAFOD-GETHIN HOUSE, LLANRUG	HOUSE	None	None	None
29	PLATFORM HOUSE, REMAINS OF, PLASTIRION LODGE	HOUSE PLATFORM	None	None	None
35	PLAS GWYN HOUSE, LLANRUG	HOUSE	None	None	None
36	ERW-PWLL-Y-GLO, LLANDDEINIOLEN	HOUSE	None	None	None
45	CRAWIA SLATE MILL, BETHEL	SLATE MILL	None	None	None
46	COPPER ALLOY FLAT AXEHEAD, FINDSPOT, CRUG	FINDSPOT	None	None	None
66	PLAS TIRION	STABLES	None	None	None
69	PLAS TIRION	STABLES; COAC HOUSE	None	None	None
70	PLAS TIRION	WALLED GARDEN	None	None	None
71	PLAS TIRION	MANSION	None	None	None

9.9 As Table 1 shows it was determined that most recorded historic assets within the 2km assessment area would not be exposed to any significant impact from the proposed turbine development. Full details of the assessment of direct and indirect impact for each of the sites in Table 1 can be found in Appendix B.

9.9.1 Fourteen historic assets would be unaffected.

9.9.2 Sixteen historic assets would experience a Very Low, indirect, visual impact with no impact on setting.

9.9.3 Five historic assets would experience a Low, indirect, visual impact with no impact on setting.

9.9.4 One historic asset, the farmhouse at Aden (ID number 68) would experience a High indirect, visual impact with no impact on setting.

9.9.5 One historic asset would have a High, direct, physical impact. A section of boundary bank on the farm (ID number 75) would be removed to make way for the turbine.

9.10 The Cadw datasets within the 2km to 5km radius area returned 26 Scheduled Ancient Monuments, 389 Listed Buildings and 5 registered Historic Parks and Gardens. The full results of this assessment are found in Appendices C, D and E and Figures 6, 7 and 8 of this report.

9.11 As Table 4 in 10.2.2 shows, it was determined that 17 of the 26 Scheduled Ancient Monuments within the 2km to 5km assessment area would be unaffected by the development as they would not be intervisible with the turbine, due to the nature of local topography. Nine Scheduled Ancient Monuments would experience a Very Low, indirect, visual impact due to intervisibility, but with no impact on their settings. Further details of the assessment of indirect impacts for all of the sites in can be found in Appendix C and Figure 6.

9.12 There are 389 Listed Buildings within the 2km to 5km assessment area, most of would not be intervisible with the proposed turbine. As Table 6 in 10.3.2 shows, it was determined that;

- One Listed Building would experience a Low, indirect, visual experience with a Low impact on setting.
- Four Listed Buildings would experience a Low, indirect, visual experience with no impact on setting
- Ten Listed Buildings would experience a Very Low, indirect, visual experience with no impact on setting

Full details of the assessment of impact for Listed Buildings can be found in Appendix D and Figure 7.

9.13 There are five registered Historic Parks and Gardens within the 2km to 5km assessment area. Three of these would be unaffected by the proposed turbine. Plas Newydd, Anglesey (GD48) would experience a Very Low, indirect, visual impact. Llanidan, Anglesey (GD46) would experience a Low, indirect, visual impact with a Low impact on setting.

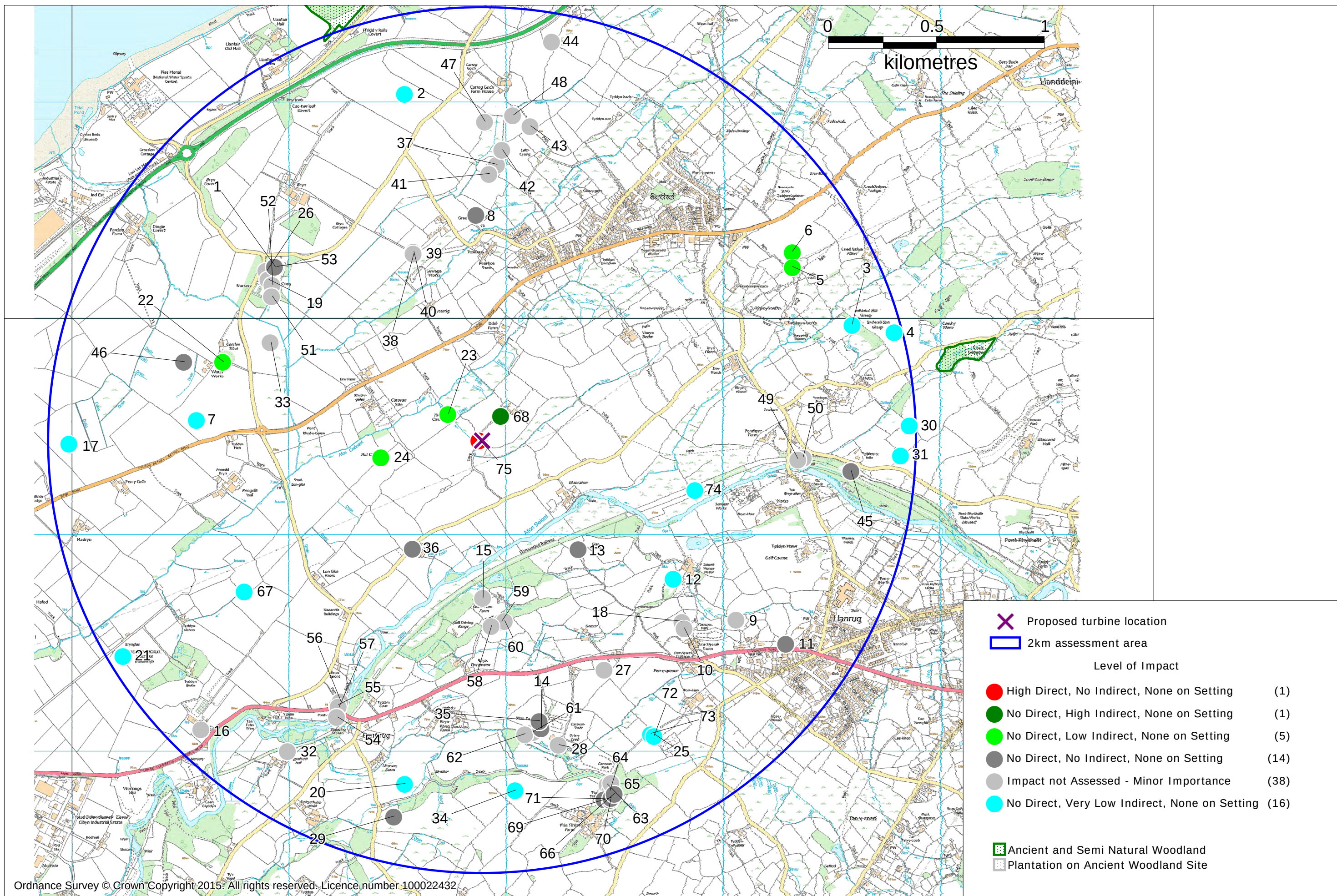


Figure 5: The 2km assessment area showing the level of impact on historic assets, labelled with Project ID number

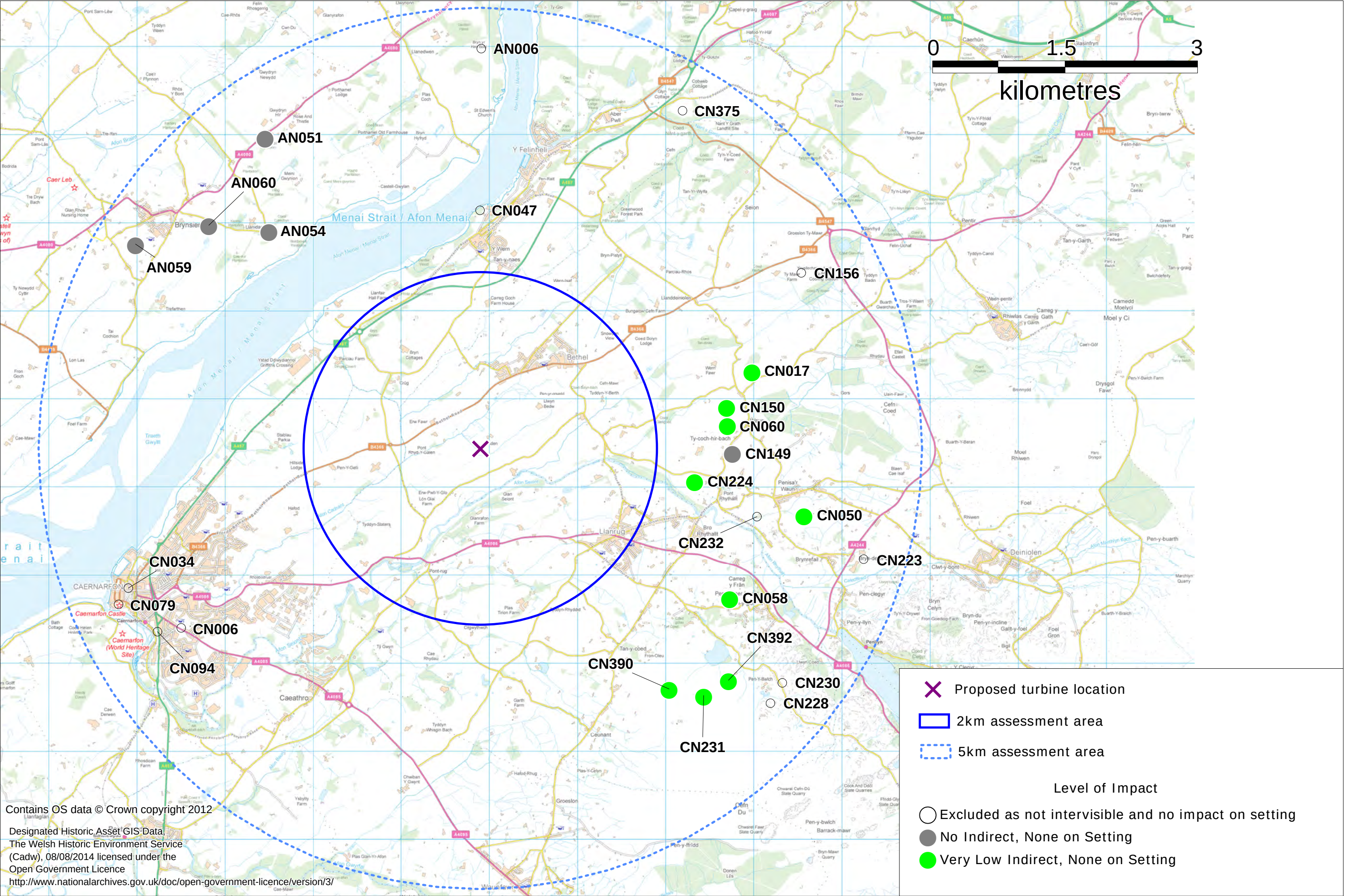


Figure 6: The 2km to 5km assessment area showing the level of impact on Scheduled Ancient Monuments, labelled with SAM Number

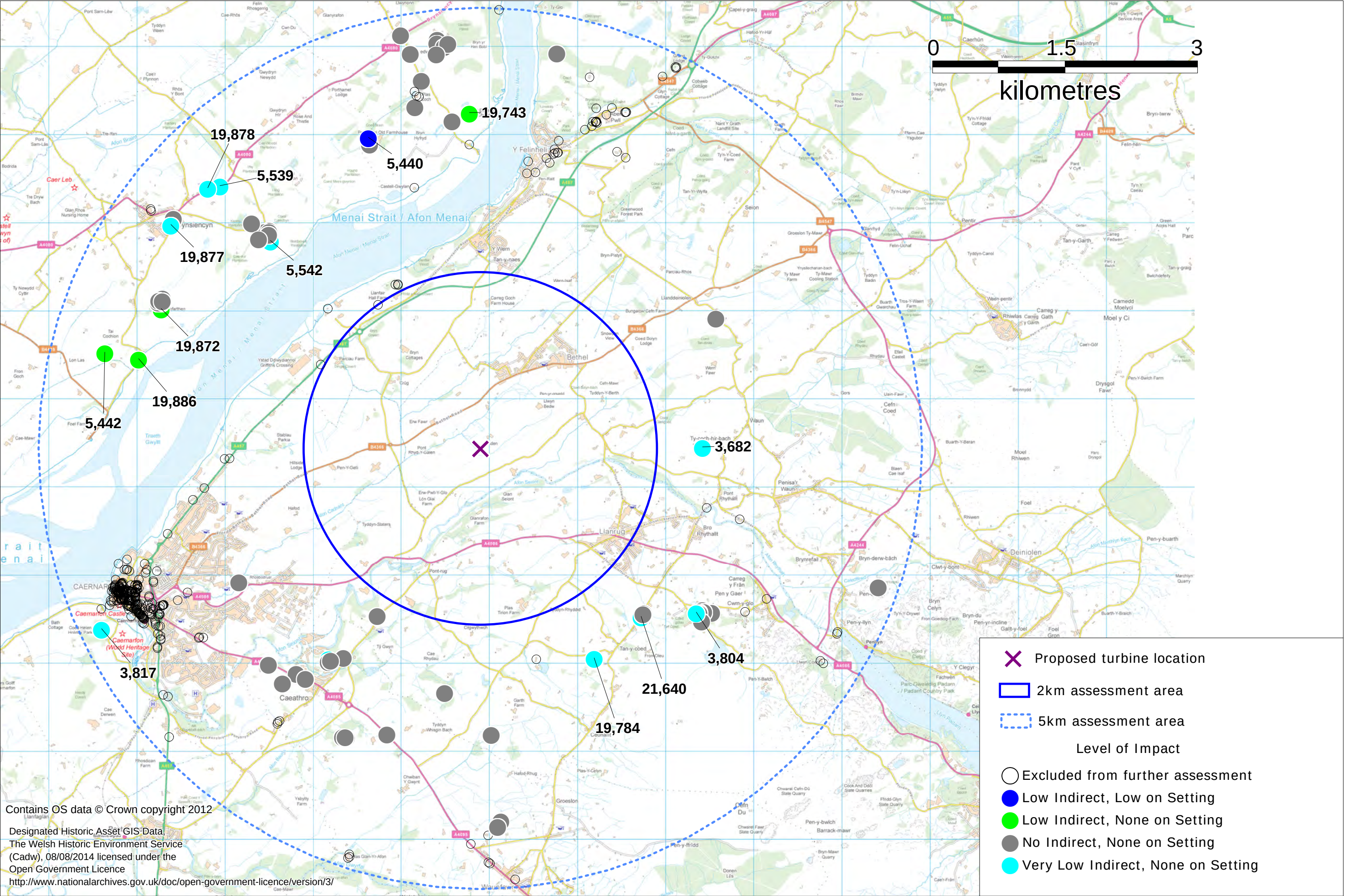


Figure 7: The 2km to 5km assessment area showing the level of impact on Listed Buildings, labelled with LB Number where there is an impact

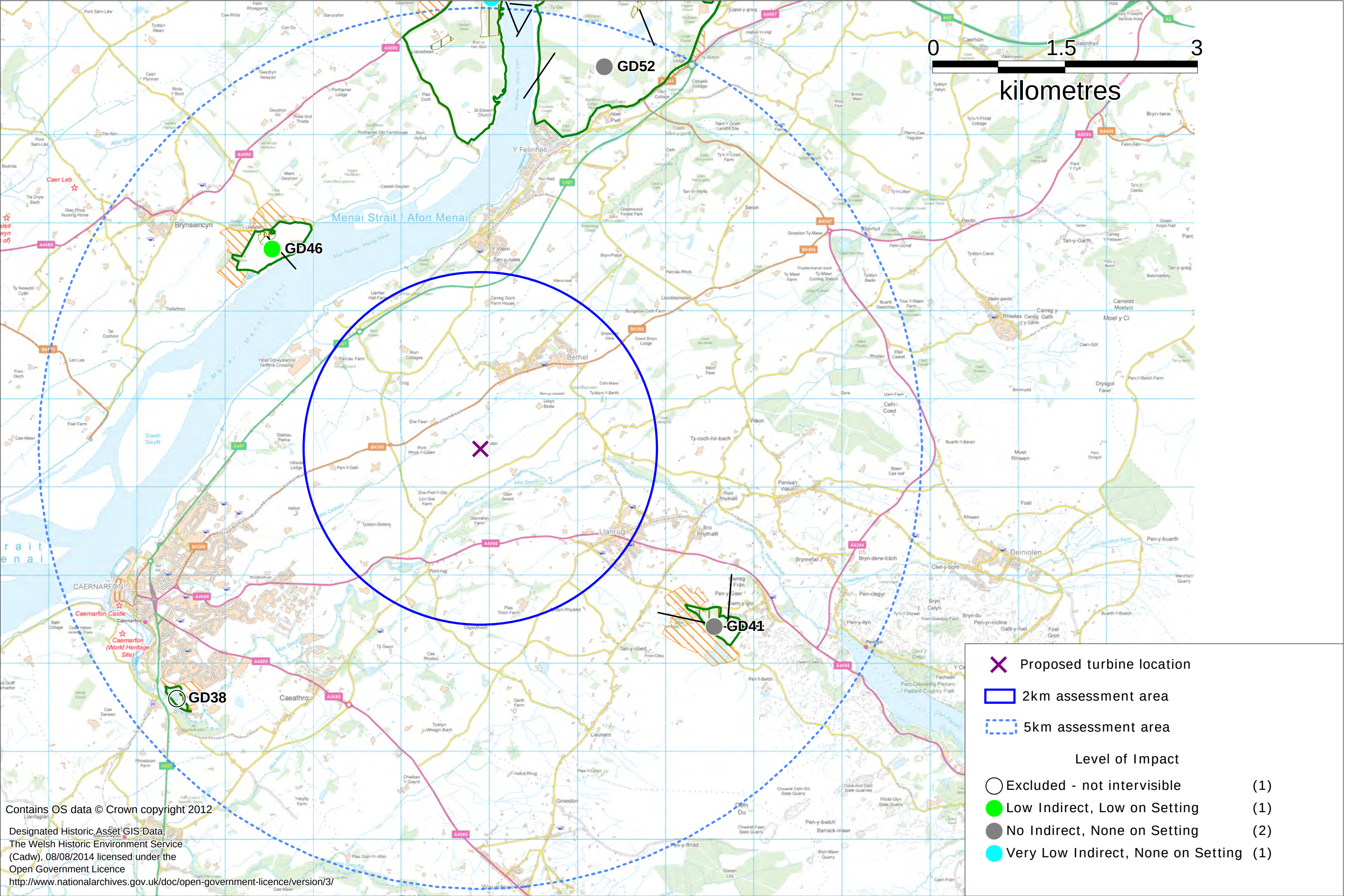


Figure 8: The 2km to 5km assessment area showing the level of impact on registered Historic Parks and Gardens, labelled with Parks and Garden Number

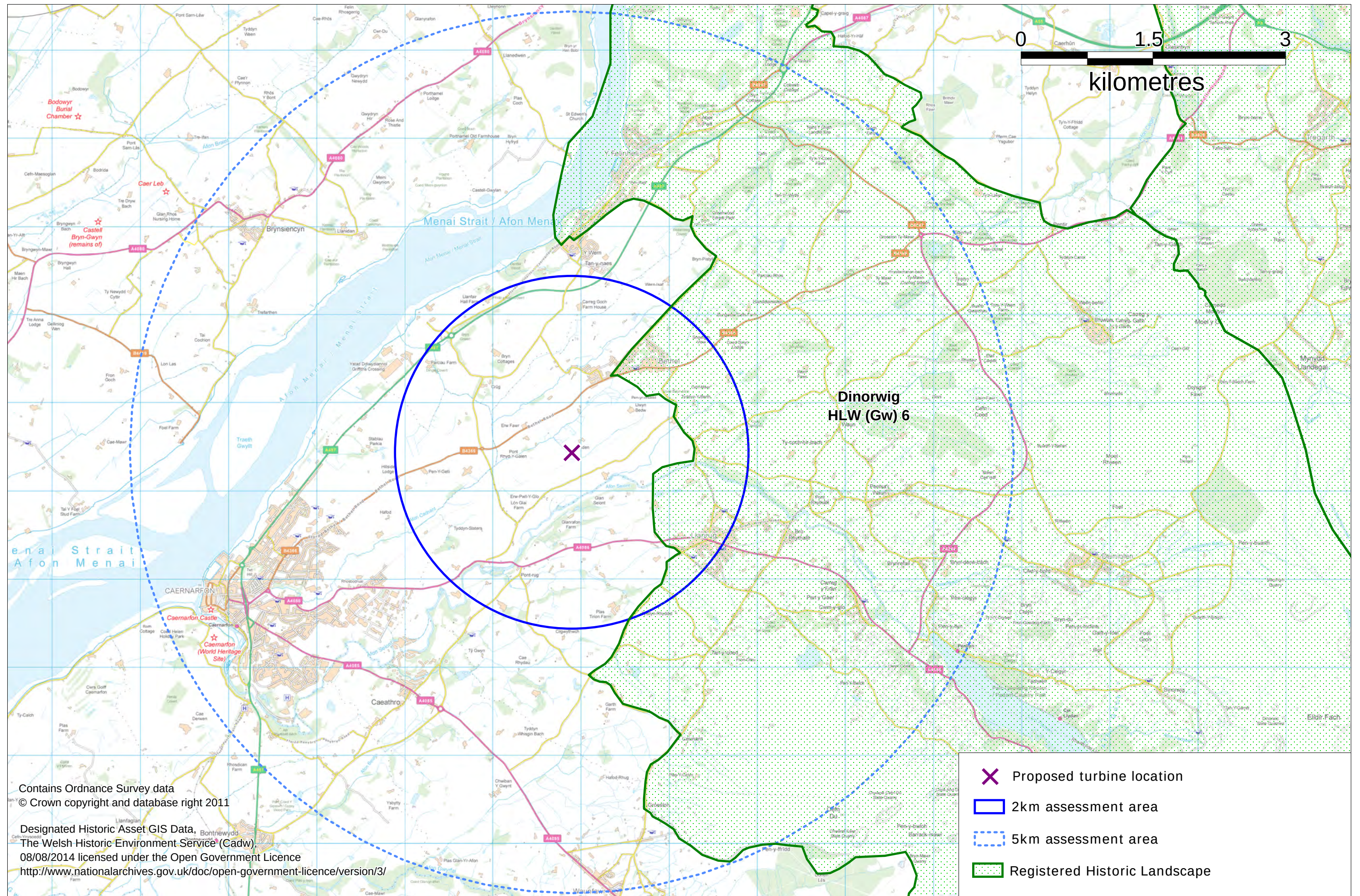


Figure 9: The 2km and 5km assessment areas showing the Dinorwig Historic Landscape, using data supplied by Cadw June 2014

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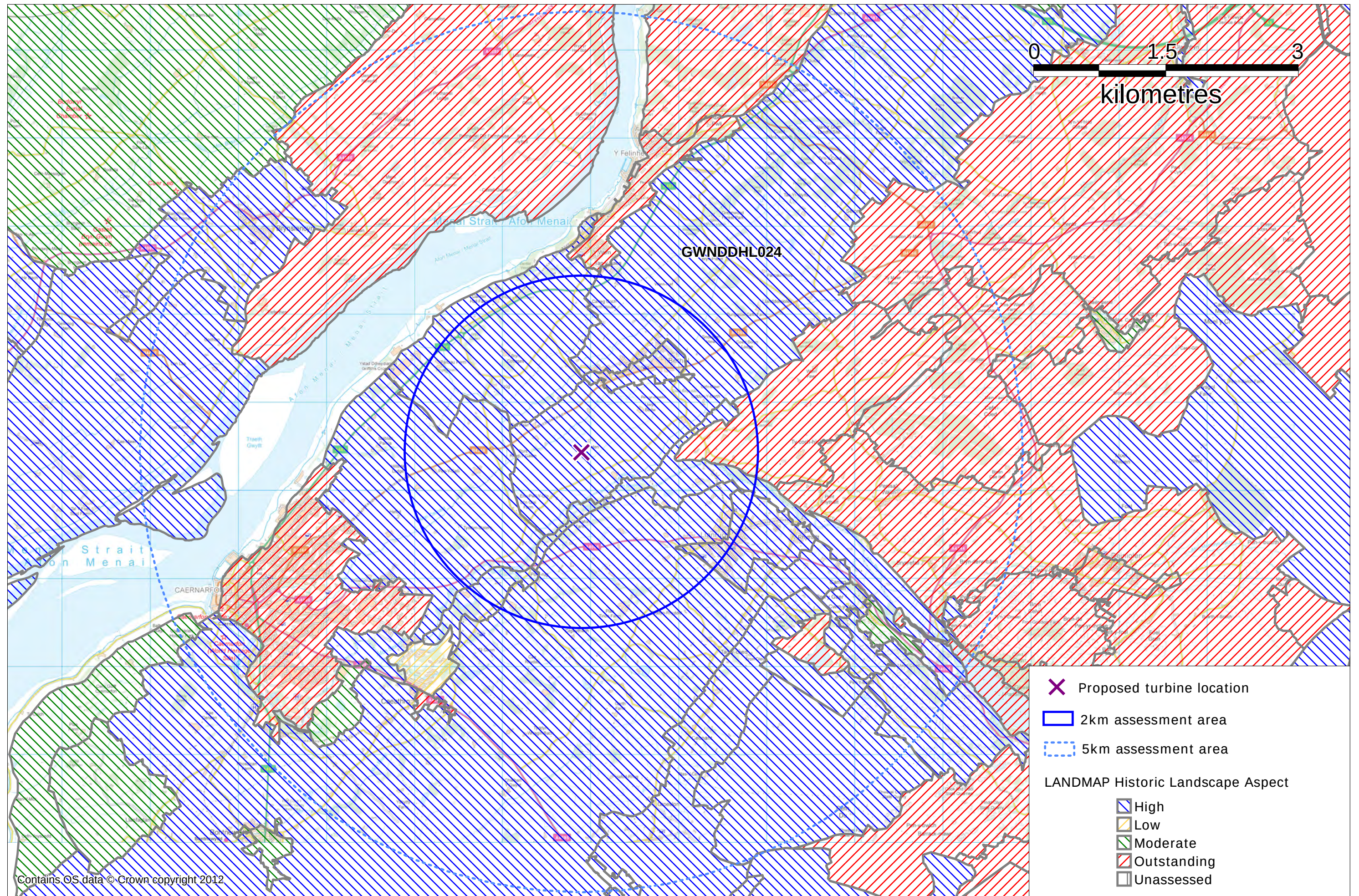


Figure 11: The 2km and 5km assessment areas showing LANDMAP Historic Landscape aspect areas, labelled with LANDMAP Aspect Area Number

10. Impact on Historic Environment Aspects

10.1 Following the impact assessment aspects of the historic environment around the proposed turbine site have been considered as outlined in the specification agreed by the Gwynedd Archaeological Trust Heritage Management Section (see Appendix A).

10.2 Scheduled Ancient Monuments and their settings

10.2.1 There are five Scheduled Ancient Monuments within the 2km assessment area (ID numbers 3, 5, 21, 22 and 24). See Table 3, Figures 3 and 5, and Appendix B.

ID Number	Site Name	Site Type	Level of Direct Impact	Level of Indirect Impact	Level of Impact on Setting
5	HUT GROUP, CEFN MAWR	HUT CIRCLE SETTLEMENT	None	Low	None
22	CAERLAN TIBOT, ENCLOSURE, NE OF CAERNARFON	ENCLOSURE	None	Low	None
24	HUT CIRCLE, S OF RHYD Y GALEN	HUT CIRCLE	None	Low	None
3	HUT GROUP (ENCLOSED), CAE METTA	HUT CIRCLE SETTLEMENT	None	Very Low	None
21	ROMAN SIGNAL STATION, NR. BRYN GLAS	SIGNAL STATION?	None	Very Low	None

Table 3: Impacts on Scheduled Ancient Monuments in the 2km assessment area

10.2.2 There are 26 Scheduled Ancient Monuments in 2 to 5km area. The nature of the local topography means that seventeen of these would not be intervisible with the turbine nor be affected in any way, There would be a possible Very Low indirect, visual, impact on nine Scheduled Ancient Monuments but with no impact on their settings, see Table 4, Figure 6 and Appendix D.

Scheduled Ancient Monument Number	Site Name	Site Type	NGR	Level of Indirect Visual Impact	Level of Impact on Setting
CN017	Dinas Dinorwic Camp	Hillfort	SH549653	Very Low	None
CN050	Pen-Isa'r-Waen Camp	Enclosed hut circle	SH555636	Very Low	None
CN058	Caer Carreg y Fran	Hillfort	SH547627	Very Low	None
CN060	Glascoed Ancient Village	Enclosed hut circle	SH547647	Very Low	None
CN150	Glascoed Round Cairn	Round cairn	SH546649	Very Low	None
CN224	Settlement NW of Waen Rhythallt	Enclosed hut circle	SH543640	Very Low	None
CN231	Hut Circles NE of Garreg Lefain	Unenclosed hut circle	SH544616	Very Low	None
CN390	Carreg Lefain Cairn	Round cairn	SH540617	Very Low	None

Scheduled Ancient Monument Number	Site Name	Site Type	NGR	Level of Indirect Visual Impact	Level of Impact on Setting
CN392	Parc y Gleision Standing Stone	Standing stone	SH547618	Very Low	None
AN051	Caer Idris Hillfort	Hillfort	SH494679	None	None
AN054	Old Parish Church	Church	SH494669	None	None
AN059	Perthi-Duon Burial Chamber	Chambered tomb	SH479667	None	None
AN060	Round Barrow East of Brynsiencyn	Round barrow	SH488669	None	None
CN149	Pen-y-Gaer Camp	Hillfort	SH547643	None	None
AN006	Bryn-yr-Hen-Bobl Burial Chamber	Chambered round cairn	SH519689	Excluded	Excluded
CN006	Segontium Roman Site	Fort	SH485624	Excluded	Excluded
CN034	Caernarfon Town Wall	Town Wall	SH479626	Excluded	Excluded
CN047	Dinas Camp	Promontory Fort - coastal	SH518671	Excluded	Excluded
CN079	Caernarfon Castle	Castle	SH477626	Excluded	Excluded
CN094	Lower Roman Fort	Fort	SH482623	Excluded	Excluded
CN156	Rectangular Earthwork 110m NW of Coed Ty Mawr	Moated Site	SH555664	Excluded	Excluded
CN223	Llys Dinorwig	Enclosure	SH562631	Excluded	Excluded
CN228	Hut Group, Near Galltycelyn, S of Cwm-y-Glo	Unenclosed hut circle	SH551615	Excluded	Excluded
CN230	Hut and Enclosure Near Mur-Moch	Unenclosed hut circle	SH553617	Excluded	Excluded
CN232	Hut Group Near Tan-y-Coed Pont Rhythallt	Hut group	SH550636	Excluded	Excluded
CN375	Coed Nant-y-garth, standing stone to N of	Standing stone	SH541682	Excluded	Excluded

Table 4: Impacts on Scheduled Ancient Monuments in the 2 to 5km assessment area. Excluded sites are ones where there is in intervisibility and no potential impact in setting from the turbine.

10.3 Listed Buildings and their settings

10.3.1 There are 12 Listed Buildings within the revised 2km assessment area. Four of these, Seiont Manor (ID numbers 12), Llanrhug church (ID number 25) and its lychgate and churchyard boundary wall (ID numbers 73 and 72) and St Sannan's parish church (ID number 20), would experience a Very Low, indirect, visual impact with no impact on setting. See Table 5, Appendix B and Figures 3 and 5.

ID Number	Site Name	Site Type	Level of Direct Impact	Level of Indirect Impact	Level of Impact on Setting
12	SEIONT MANOR, FORMER LLWYN Y BRAIN, LLANRUG	HOUSE;HOTEL	None	Very Low	None
25	ST. MICHAEL'S CHURCH, W OF LLANRUG	CHURCH	None	Very Low	None
72	ST. MICHAEL'S, LLANRUG	BOUNDARY	None	Very Low	None
73	ST. MICHAEL'S, LLANRUG	LYCHGATE	None	Very Low	None
13	GLAN SEIONT HOUSE, LLANRUG	HOUSE	None	None	None
14	HAFOD-GETHIN HOUSE, LLANRUG	HOUSE	None	None	None
35	PLAS GWYN HOUSE, LLANRUG	HOUSE	None	None	None
36	ERW-PWLL-Y-GLO, LLANDDEINIOLLEN	HOUSE	None	None	None
66	PLAS TIRION	STABLES	None	None	None
69	PLAS TIRION	STABLES;COACH OUSE	None	None	None
70	PLAS TIRION	WALLED GARDEN	None	None	None
71	PLAS TIRION	MANSION	None	None	None

Table 5: Impacts on Listed Buildings in the revised 2km assessment area.

10.3.2 Within the 2km to 5km assessment area, there are a further 389 Listed Buildings. All of these were assessed for intervisibility with the turbine. Those that had no intervisibility were excluded from the impact assessment. They are included in Appendix E for reference and are shown on Figure 7 but not in table 6 below. There would be a Low indirect visual impact and Low impact on setting for one of these sites, the grade II house at Porthamel on Anglesey (Listed Building number 5440). A further four Listed Buildings would have a Low indirect visual impact but there would be no impact on their setting. There would be a Very Low indirect visual impact on ten of these from the proposed turbine but with no impact on setting, see Table 6, Appendix D and Figure 7.

*Aden Farm, Bethel, Caernarfon
Historic Environment Assessment*

Listed Building number	Site Name	Grade	Level of indirect visual impact	Level of Impact on Setting
5440	Porthamel	II	Low	Low
5442	Tai Cochion	II	Low	None
19743	Church of St. Edwen	II	Low	None
19872	Trefarthen	II	Low	None
19886	Yr Unicorn	II	Low	None
3682	Glasgoed Hall	II	Very Low	None
3804	Bryn Bras Castle	II*	Very Low	None
3817	Summer House to NE of Coed Helen	II	Very Low	None
5539	Church of St. Nidan (new church)	II	Very Low	None
5542	Ha-Ha to South of Llanidan House	II	Very Low	None
19784	Cae'r-maen	II	Very Low	None
19877	Capel Libanus	II	Very Low	None
19878	Hen Ysgol and Church Hall	II	Very Low	None
21640	Former Post Office & Nos 1-3 Maes Gerddi	II	Very Low	None
22055	Glan Gwna Hall	II*	Very Low	None
3687	Prysgol	II	None	None
3812	Wern	II*	None	None
4204	Folly tower at Coed Twr	II	None	None
5538	St. Nidan's Church (Old Church)	II*	None	None
5540	Llanidan Hall	II*	None	None
5541	Walls of Enclosed Garden to West of Llanidan Hall	II	None	None
14927	Church of St Deiniol	II	None	None
19730	Home Farm, Plas Newydd	II	None	None
19731	Walls of square enclosed garden of Plas Newydd	II	None	None
19732	Apple House adjoining to south of square garden, Plas Newydd	II	None	None
19733	Walls of very large rectangular enclosed garden, Plas Newydd, adjoining square garden on south-west	II	None	None
19734	Plas Llanedwen	II	None	None
19740	Plas Coch Lodge	II	None	None
19741	Walls and gatepiers at entrance to Plas Coch	II	None	None
19742	Barn at Plas Coch	II	None	None
19747	Ty Newydd	II	None	None
19748	Farm Lodge	II	None	None
19749	Church Lodge	II	None	None
19755	Farm Lodge entrance walls and gate piers	II	None	None
19756	Church Lodge entrance walls and gatepiers	II	None	None
19873	Corn barn at Trefarthen (S side of yard)	II	None	None
19874	Corn-barn at Trefarthen (N side of yard)	II	None	None
19875	Mill and Waterwheel, with attached Stables, at Trefarthen	II	None	None
19876	Ty Capel	II	None	None
19879	Pigsty and boiling house at Trefarthen	II	None	None
19880	Stables at Llanidan House	II	None	None
19881	Barn with attached cartshed-granary, at Llan Idan farm	II	None	None
19884	Cowhouse, Hammels and Cartshed at Trefarthen	II	None	None

Listed Building number	Site Name	Grade	Level of indirect visual impact	Level of Impact on Setting
19885	Privy tower at Porthamel	II	None	None
19888	Wall of circular churchyard, St. Nidan's Church (Old Church)	II	None	None
22037	Grand Lodge to Glan Gwna Hall	II	None	None
22041	Bryn Eden and terrace walls to front	II	None	None
22042	Stables at Wern	II	None	None
22043	Pigsties at Wern	II	None	None
22045	Milestone	II	None	None
22047	Milestone	II	None	None
22052	Ty Newydd	II	None	None
22053	Awel-y-mor	II	None	None
22054	Gate piers and walls at entrance to Glan Gwna Hall	II	None	None
22056	Stable Block at Glan Gwna Hall	II	None	None
22058	Courtyard outbuildings and retaining walls to adjacent formal garden area at Glan Gwna Hall	II	None	None
22059	Terrace and retaining walls at Glan Gwna Hall	II	None	None
22235	Plas Bach	II	None	None
22244	Capel Tan-y-coed	II	None	None
22245	Sunday School/Vestry at Capel Tan-y-coed	II	None	None
22251	Hafod-rhug-isaf	II	None	None
22255	Walled 'knot' garden at Bryn Bras Castle	II	None	None
22256	Observatory at Bryn Bras Castle	II	None	None
22257	Summer house at Bryn Bras Castle	II	None	None
22258	Pan figure and pool in walled 'knot' garden at Bryn Bras Castle	II	None	None
22259	Gladiator statue (north) at Bryn Bras Castle	II	None	None
22260	Gladiator statue (south) at Bryn Bras Castle	II	None	None
22261	Boundary wall, gateways & turrets at Bryn Bras Castle	II	None	None
22262	Boundary wall, screen and gateway, SW side of Llanrug-Llanberis 'Mountain' Road at Bryn Bras Castle	II	None	None
22633	Pen y Clogwyn	II	None	None
87487	Stone Bridge over Afon Cadnant	II	None	None

Table 6: Impacts on Listed Buildings included for evaluation within the 2km to 5km assessment area

10.4 Previously Recorded Non-Designated Historic Assets and Buildings and their settings

10.4.1 There are no significant impacts on Non-designated Historic Assets and Buildings within 2km of the turbine site. There would be a Low indirect visual impact on two sites and a Very Low indirect visual impact on nine sites. The setting of these sites would not be affected. Further details in Appendix B, Figure 3 & 5 and listed in Table 7 below.

ID Number	Site Name	Site Type	Level of Direct Impact	Level of Indirect Impact	Level of Impact on Setting
6	HUT CIRCLE (POSSIBLE), N OF CEFN MAWR	HUT CIRCLE?	None	Low	None
23	HUT CIRCLES AND FIELD SYSTEM, W OF ADEN, CADNANT	HUT CIRCLE SETTLEMENT	None	Low	None
2	BURIAL CHAMBER (POSSIBLE), NE OF BRYN, FELINHELI	CHAMBERED TOMB?	None	Very Low	None
4	HUT CIRCLE, NR. CAE METTA	HUT CIRCLE	None	Very Low	None
7	RINGDITCH, NEAR CAERLAN TIBOT	RING DITCH?	None	Very Low	None
17	TUMULUS, NW OF PENYGELLI, NR. CAERNARFON	CAIRN	None	Very Low	None
20	STANDING STONE, POSSIBLE, SE OF AFONWY FARM	STANDING STONE	None	Very Low	None
30	CIRCULAR BANK, GLASGOED	BANK (EARTHWORK)	None	Very Low	None
31	POSSIBLE HUT GROUP, TYDDYN Y FELIN	HUT CIRCLE SETTLEMENT?	None	Very Low	None
34	STANDING STONES, PLASTIRION	STONE SETTING	None	Very Low	None
74	L&NWR CARNARVON & LLANBERIS BRANCH	RAILWAY	None	Very Low	None

Table 7: List of non-designated historic assets and buildings in the 2km assessment area on which there would be an impact.

10.5 Newly identified sites of historic importance

10.5.1 Three newly recorded historic assets were noted for this assessment at or near the turbine site. These are Aden Farmhouse and a Boundary Bank at the development site (ID numbers 68 & 75) and a possible ring ditch noted on aerial photographs during this assessment (ID number 67). A short section of Boundary Bank ID number 75 would have to be removed for the turbine development. Details of these sites are included in Table 8, Appendix B and Figures 3 & 5.

ID Number	Site Name	Site Type	Level of Direct Impact	Level of Indirect Impact	Level of Impact on Setting
75	ADEN	BANK (EARTHWORK)	High	None	None
68	ADEN	HOUSE	None	High	None
67	TYDDYN SLATERS	RING DITCH?	None	Very Low	None

Table 8: Impacts on Newly Identified sites

10.6 Registered Parks & Gardens and their essential settings.

10.6.1 There are no Registered Park and Garden within the 2km assessment area.

10.6.2 Within the 2 to 5km assessment area there are 5 registered Historic Parks and Gardens. One was excluded from further assessment as I would not be intervisible with the turbine and there would be no impact on its setting, see table 9, figure 8 and Appendix E.

Reference Number	Site Name	NGR	Grade	Level of Indirect Visual Impact	Level of Impact on Setting
GD46	Llanidan	SH4953166719	II*	Low	Low
GD48	Plas Newydd	SH5202169570	I	Very Low	None
GD41	Bryn Bras Castle	SH5455162434	II	None	None
GD52	Vaynol	SH5357169310	I	None	None
GD38	Caernarfon: Morfa Common Park	SH4845261614	II	Excluded	Excluded

Table 9: Impacts on registered Historic Parks and Gardens within 2 to 5 km of the proposed turbine

10.7 Registered Historic Landscapes

10.7.1 The development site does not lie in a Registered Historic Landscape according to the data supplied by Cadw in June 2014 which is in accordance with the published map in The Guide to Good Practice for Historic Landscapes (CADW & CCW, 2007), see Figure 9.

10.7.2 The Dinorwig Landscape of Outstanding Historic Interest HLW (Gw) 6 as defined in the Register and in data supplied by Cadw, lies to the east of the development site. Its closest point is 0.95 km to the east southeast of the development site, see Figure 9.

10.7.3 The Gwynedd Archaeological Trust has undertaken a Historic Landscape Characterisation exercise within Gwynedd for Cadw, see figure 10. During this exercise, GAT have characterised a wider area than the Dinorwig Historic Landscape, which has been named as the Arfon Historic Landscape. This Historic Landscape has been subdivided into 54 Landscape Character Areas. The proposed development would be located within Landscape Character Area 23, the Arfon plateau, which is described as being;

"...made up largely of improved pasture, most of which was formerly Vaynol land. The pattern of substantial nineteenth century farmhouses... and outbuildings is typical of the estate. Relict prehistoric settlements (hut groups and small forts) are dotted across the landscape, usually in the corners of fields, and some fields display a curvilinear pattern characteristic of this period."

10.7.4 It should be noted that the Cadw boundaries take precedence over the GAT boundaries. The GAT boundaries are not included in the Register of Historic Landscapes. Therefore the proposed development would not be located within a Registered Historic Landscape.

10.8 Non-registered Historic Landscapes

10.8.1 Gwynedd and Anglesey County Councils have jointly defined 16 Special Landscape Areas; 10 in Gwynedd and 6 in Anglesey. The development site does not lie within any of these Special Landscape Areas.

10.8.2 Three of the Special Landscape Areas will fall within a 2km to 5km radius from the proposed turbine site. These are Southern Anglesey Estate Lands (SLA No.16), which is on Anglesey, and Menai (SLA No.09) and Northwestern Fringes of Snowdonia (SLA No.07) in Gwynedd. The proposed turbine is likely to be visible from parts of these areas but at a distance of over 2km.

10.9 LANDMAP and landscape characterisation information

10.9.1 The proposed turbine would lie at the southwestern end of the Northern Arfon Plateau LANDMAP Historic Landscape Aspect Area (GWNDDHL024), see Figure 11, which is described as;

“The rolling landscape of the Arfon plateau is made up largely of improved pasture, most of which was formerly Vaynol land. The pattern of substantial nineteenth century farmhouses (e.g. Carreg Goch, Tyddyn Conclog, Tyddyn Oer) and outbuildings is typical of the estate. Relict prehistoric settlements (hut groups and small forts) are dotted across the landscape, usually in the corners of fields, and some fields display a curvilinear pattern characteristic of this period. A wide area of disparate character, with the most prominent features being large enclosures and scattered farmsteads.”

10.9.2 The overall evaluation of this aspect area is High.

10.10 Conservation Area

10.10.1 There are no conservation areas within the 2km radius assessment area.

10.10.2 Three Conservation Areas, Caernarfon, Y Felinheli and Faenol fall within a 2km to 5km radius of the proposed development. The ZTV shows that none of these areas would be intervisible with the proposed turbine.

10.11 Tir Gofal interests or requirements

10.11.1 No Tir Gofal interests were identified.

10.12 Buried archaeological potential

10.12.1 During the field visit, no physical, visible evidence was noted suggestive of significant buried archaeology at the proposed turbine site or along the route of the proposed cable trench.

10.13 Palaeoenvironmental potential

10.13.1 No palaeoenvironmental potential was identified at the turbine site.

10.14 Hedgerows and field patterns

10.14.1 The land is chiefly of improved pasture divided into small to medium-sized fields, mostly irregular in form. Many of these are defined by mature hedgerows, but some, including the fields around the farm buildings at Aden, are divided by post and wire fences. The development site is located at the western end of a narrow strip of land which is managed as unimproved pasture, within the farmed landscape.

10.15 Ancient woodland

10.15.1 There are no areas of Ancient and Semi-natural Woodland within the 2km assessment area.

10.16 Place-names

10.16.1 There are no placenames of archaeological or historical significance near the proposed turbine.

10.17 Cumulative impact

10.17.1 No other wind turbines were visible from the turbine site.

10.18 National Park

10.18.1 The proposed turbine lies 6.6km away from Snowdonia National Park at its closest.

11. Conclusion

- 11.1 There would not be a significant indirect, visual impact on the historic environment, or individual historic assets from the proposed development, apart from that which would be experienced by the farmhouse at Aden (ID number 68), which would experience a High, indirect, visual impact with a Moderate impact on setting. The farmhouse is not a Listed Building, however.
- 11.2 There would not be a significant direct, physical impact on the historic environment, apart from that on a section of post-medieval field boundary bank (ID number 68) at the turbine site. A short section of the bank would have to be removed to make way for the turbine.
- 11.3 In addition to the historic assets mentioned in 11.1 and 11.2, a further ten non-statutory historic assets would experience a Very Low, indirect, visual impact from the turbine, with no impact on their setting. Two non-statutory historic assets would experience a Low, indirect, visual impact from the turbine, with no impact on their setting.
- 11.4 Twelve Listed Building within a 2km radius. Four of these would experience a Very Low, indirect, visual impact from the turbine, with no impact on their setting.
- 11.5 Five Scheduled Ancient Monuments are found within a 2km radius. Two of these would experience a Very Low, indirect, visual impact, with no impact on setting. Three would experience a Low, indirect, visual impact, with no impact on setting.
- 11.6 Within a 2km to 5km radius there are 389 Listed Buildings, most of which are located within areas which would not be intervisible with the proposed turbine. One Listed Building, Porthamel House, Anglesey (LB No.5440) would experience a Low, indirect, visual impact and a Low impact on setting. Four would experience a Low, indirect, visual impact with no impact on setting. Ten would experience a Very Low, indirect, visual impact with no impact on setting.
- 11.7 Within a 2km to 5km radius there are 26 Scheduled Ancient Monuments. Nine of these would experience a Very Low, indirect, visual impact, with no impact on their settings.
- 11.8 There are five Registered Parks & Gardens within a 2km to 5km radius of the proposed development. Plas Newydd, Anglesey (GD48) would experience a Very Low, indirect, visual impact, with no impact on setting. Llanidan, Anglesey (GD46) would experience a Low, indirect, visual impact with a Low impact on setting.
- 11.9 There are no Conservation Areas within a 2km radius of the proposed development and three within a 2km to 5km radius, which would not be

intervisible with the proposed turbine and would not experience any impacts on their settings.

- 11.10 Although there is no surface evidence at the proposed turbine site pointing to the presence of buried archaeological features, it is evident that the area has a rich archaeological resource which includes prehistoric and later settlement sites. The Roman road to Segontium also passed through this area but has yet to be firmly identified on the ground. A minimum of a watching brief on the excavation of the turbine base and the cable trench which would link the turbine to an electricity substation near Aden farmyard might be considered as appropriate mitigation for this development.

12. Reporting

12.1 Copies of this report will be provided to the client, The National Monument Record and the Regional Historic Environment Record.

13. References

13.1 Map sources

Ordnance Survey, 1816, 2" to 1 mile Original Surveyors drawing, Caernarvon Sheet

Ordnance Survey, 1840, 1" to 1 Mile. Sheet 79SW

Ordnance Survey, 1889, 1:2500, 1st edition

Llanddeinolen parish tithe map 1839 and apportionment, 1839

13.2 Web-based materials

Historic England, 2015, *The Setting of Heritage Assets Historic Environment Good Practice Advice in Planning Note 3*

RCAHMW, Historic Wales Portal

Research Framework for the Archaeology of Wales, www.archaeoleg.org.uk

13.3 Published sources

Cadw, 2011, *Conservation Principles for the sustainable management of the historic environment of Wales*,

Cadw & CCW, 2007, *Guide to the Good Practice on using the Register of Landscapes of Historic Interest in Wales in the planning and development process*.

Welsh Office, 1996, *Planning and the Historic Environment: Archaeology*
Welsh Office Circular 60/96

13.4 Unpublished sources

Riley, H.F. & Smith, G, 1994, *Gwynedd Hut Group Survey: Summary and progress report, Year 1*.

Smith, G, 1998, *Hut Circle Settlement Survey*.

Trysor, 2015, *Specification for an Historic Environment Assessment for a Turbine at Aden Farm, Bethel, Caernarvon, LL55 1UB*

13.5 Data Sources

Clwyd Powys Archaeological Trust, Historic Environment Record, data received 05/08/2015

Cadw, Listed Building all-Wales dataset, created June 2015

Cadw, Parks and Gardens all-Wales dataset, created October 2014

Cadw, Scheduled Ancient Monument all-Wales dataset, created June 2015

14. Reliability & Limitations of Sources

- 14.1 In line with the requirements of the ClfA Standards & Guidance notes for undertaking Desk-based Assessments (Point 3.3.6), the following observations on the usefulness and reliability of the sources used have been made.
- 14.2 The cartographic sources used include a range of Ordnance Survey maps produced during the 19th and 20th centuries, all of which provided sufficiently clear and accurate representations of the evolving landscape of the assessment area. The earliest map source was the 1816 Ordnance Surveyors Original Surveyors Drawings, of which an adequate digital copy is available through the British Museum website. The Llanddeiniolen parish tithe map (1839) is a poor source. The map only shows holding boundaries and is damaged which parts of the landscape missing. Nevertheless, most of the holding boundary of Aden farm is shown. The accompanying tithe schedule provides ownership and tenancy details.
- 14.3 The main source of data for the assessment was the Gwynedd HER. The National Monuments Record for Wales was also used.
- 14.3.1 HER data supplied by the Gwynedd Archaeological Trust was in most respects accurate and useful. There were many findspots recorded in the HER, often with imprecise national grid-references which made it difficult to plot the exact findspots.
- 14.3.2 It appears that there are a significant group of Iron Age and Romano-British or Roman archaeological sites within the assessment area, but the HER does not reflect this. Settlement sites have often been described as being of “Prehistoric” date when investigation of their detailed descriptions suggests that they may be comparable with excavated, dated sites of Romano-British date. A review of the record for settlement sites in the area may help provide a clearer picture of the significance of these sites in terms of the Roman landscape of the region. It should be noted that the findings of GAT’s “Gwynedd Hut Group Survey” and “Hut Circle Settlement Survey, carried out by George Smith in 1994 and 1998 are not reflected in the Gwynedd HER.
- 14.3.3 The National Monuments Record is available online, through Coflein. It was found that the NMR contains very few records within the assessment area and was of limited use for this assessment.
- 14.4 Cadw’s Listed Buildings descriptions were accessed via the Historic Wales Portal where necessary. These records were found to be informative and accurate.
- 14.5 Google Earth aerial images of the assessment area were also used online. These date to 2006 and 2009 and provide good coverage for the whole assessment area. More recent aerial images used on the

the whole assessment area. More recent aerial images used on the People's Collection for Wales website were also used and found to be generally clear and useful.

Jenny Hall & Paul Sambrook
Trysor, September, 2015

Appendix A: Specification

**SPECIFICATION FOR AN HISTORIC ENVIRONMENT ASSESSMENT
FOR A TURBINE AT ADEN FARM. BETHEL, CAERNARVON, LL55 1UB**

1. Introduction

1.1 Colin Risbridger of WindFlow Hammer Ltd, Westray, Orkney, KW17 2DR has commissioned Trysor heritage consultants on behalf of their clients, to write an Historic Environment Assessment for a proposed turbine on land southwest of Aden, Bethel, Caernarvon, LL55 1UB.

1.2 This specification has been guided by the Chartered Institute for Archaeologists *Standard and Guidance for Historic Environment Desk-based Assessment* (CIfA, 2014) as well as correspondence with Jenny Emmett of Gwynedd Archaeological Trust on another turbine to be developed in conjunction with this turbine.

2. The proposed development

2.1 It is proposed that a single turbine, 38 metres to hub and 60.5 metres to the upright blade tip, is located at approximately SH5189564437 to the southwest of Aden Farm, Bethel,

2.2 A foundation hole, less than 10 metres by 10 metres in plan, will be excavated for the turbine base through the subsoil. An area of hardstanding 20 metres by 8 metres will be created to the northwest of the turbine.

2.3 A short track will run to the turbine from the farm track to the west.

2.4 The cable will run back to a substation southwest of the farm buildings at Aden.

3. Planning context of the proposed development

3.1 A planning application has not been submitted for this turbine yet.

3.2 This assessment would be to provide sufficient information on the potential historic environment resource, and the effect of the turbine on this resource, to allow an informed decision about the impact of the proposal.

4. Objective of the specification

4.1 The objective of this specification is to outline the method to be used for the assessment in order to identify any potential historic environment dimension associated with the proposed planning applications, in line with the comments on another proposal close by from Jenny Emmett of Gwynedd Archaeological Trust.

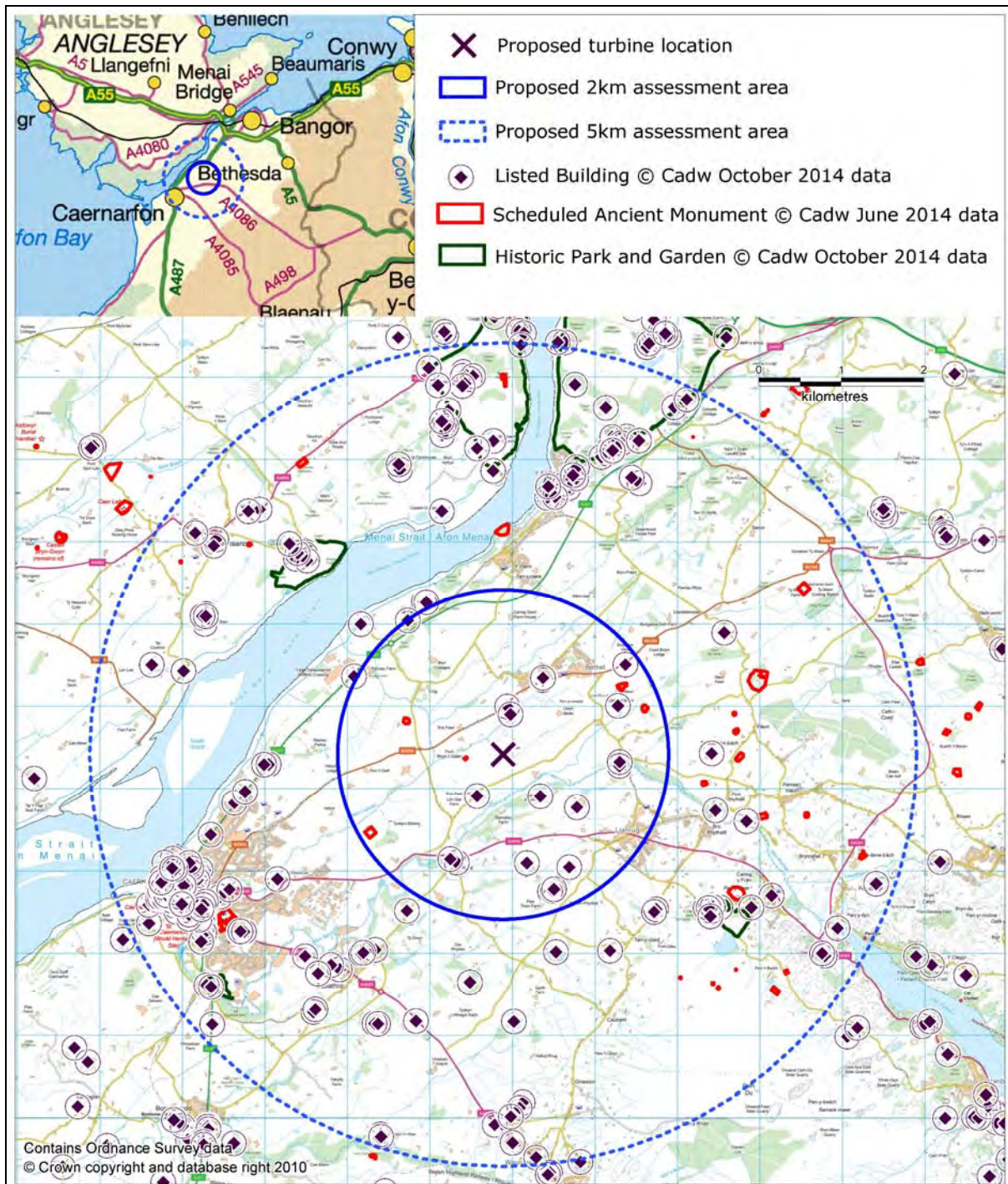


Figure 1: The proposed location of the turbine and the proposed areas of the assessment.

5. Scope of Work

5.1 The assessment will initially consider known historic assets within a 2 km radius circle centred on SH5189564437 (see Figure 1). Sites will be excluded from this study area once the importance, proximity and intervisibility of the sites has been established. The impact on designated sites will be considered within a 5km radius circle.

5.2 The following components of the historic environment will be considered, where relevant;

- a. Scheduled Ancient Monuments (SAMs) and their settings.
- b. Non-scheduled ancient monuments and their settings,
- c. Newly identified sites of historic importance
- d. Listed buildings and their settings.
- e. Non statutory Buildings of Local Importance, where this information is readily available and relevant to the proposed development.
- f. Registered Parks and Gardens and their essential settings.
- g. Registered Historic Landscapes
- h. Non-registered historic landscapes
- i. Buried archaeological potential
- j. Palaeoenvironmental potential
- k. Hedgerows and field patterns
- l. Ancient woodland
- m. Place-name evidence
- n. Cumulative impacts, e.g. wind turbines in close proximity, which will require a separate study.
- o. Any Tir Gofal/Glastir interests or requirements
- p. LANDMAP and landscape characterisation information

5.3 An assessment will be made of the development's possible impact on all known archaeological and historic sites recorded in the Regional Historic Environment Record (HER), the National Monuments Records (NMR), the National Museum of Wales' Artefact Records, and Cadw's SAM and Listed Building registers within the revised study area.

5.4 This assessment will be based on criteria guided by *Welsh Office Circular 60/96* and the ASIDOHL2 Process outlined in the *Guide to Good Practice on using the Register of Landscapes of Historic Interest in Wales in the Planning and Development Process* and Historic England, 2015, *Historic Environment Good Practice Advice In Planning Note 3 The Setting of Heritage Assets*

5.5 Historic Ordnance Survey maps and tithe map will be consulted to guide the assessment, as well as aerial photographs, both modern and archive. Additional archive sources will be used where appropriate, e.g. if a feature is shown on any of the historic mapping or aerial photographs and archive sources are available.

5.6 Elevation profiles, in conjunction with photos from the site visit and aerial photos, will be used assess to intervisibility, views and impact on setting. ZTV and photomontages supplied by the client will be used if available. If ZTV is not yet available Trysor will create their own.

5.7 A site visit will be carried out in accordance with Chartered Institute for Archaeologists' *Standard and Guidance for an Historic Environment Desk-based Assessment* (CIfA, 2014). The site visit will be record any unknown features in the vicinity

of the proposed development. It will also assess the condition of known historic assets and an examination and record will be made of the nature of adjacent field boundaries. In addition, if practical the field will be informally fieldwalked to enable recovery and recording of any artefacts. A rapid record of features will be made, including a written description on pro-forma record sheets.

5.8 Colour digital photographs will be taken, using a 16M pixel camera. A written record will be made on site of the photographs taken. Appropriate photographic scales will be used.

6. Reporting

6.1 A written report will be submitted to the client to inform the current planning application. The report will include;

- a. a non-technical summary
- b. a site location plan
- c. a bibliography
- d. a limited gazetteer of all historic assets included in the assessment giving significance and impact, with descriptions.
- e. an assessment of the value and significance of each historic asset
- f. an assessment of the impact of the proposed development on the historic assets of the study area – impacts will be assessed whether negative or positive, direct or indirect.
- g. statement of the local and regional context of the historic assets identified as have being impacted on by the development.
- h. statement on reliability of resources used during assessment.

6.2 The report will be guided by the requirements of Annexe 2 of the Chartered Institute for Archaeologists' *Standard and Guidance for an Historic Environment Desk-based Assessment* (CIfA, 2014). Copies of the report will be provided to the client, the Regional Historic Environment Record and the National Monuments Record.

6.3 The report will be presented to the client within 4 weeks of receiving the Historic Environment Record data requested after this specification has been approved, subject to changes from the client..

7. Sources

Cadw & CCW, 2007, *Guide to Good Practice on using the Register of Landscapes of Historic Interest in Wales in the Planning and Development Process – Revised (2nd) edition including revision to the assessment process (ASIDOHL2)*.

Chartered Institute for Archaeologists, 2014, *Standard and Guidance for an Historic Environment Desk-based Assessment*, revised December 2014.

Historic England, 2015, *Historic Environment Good Practice Advice In Planning Note 3 The Setting of Heritage Assets*

Welsh Office Circular 60/96; *Planning and the Historic Environment: Archaeology* (1996)

8. Health & Safety

8.1 Trysor will undertake a risk assessment in advance of any field visit in accordance with their health and safety policy.

9. Dissemination

9.1 A summary of the work undertaken and its findings will be submitted to *Archaeology in Wales* if appropriate. Paper copies of the report will be submitted to the regional Historic Environment Record, as well as the National Monument Record as well as in pdf format.

10. Archive

10.1 The paper archive will be deposited with the National Monuments Record, including a copy of the final report. This archive will include all written, drawn and photographic records relating directly to the investigations undertaken. Photographs will be supplied in TIFF format in a file size greater than 11MB, following the standard required by the RCAHMW.

11. Resources to be used

11.1 Two members of staff will undertake the assessment. They will be equipped with standard field equipment, including digital cameras, GPS and first aid kits. Trysor have access to the computer hardware and software required to deliver the completed final report and archive to a professional standard.

12. Qualification of personnel

12.1 Trysor is a Registered Organisation with the Chartered Institute for Archaeologists and both partners are Members of the Chartered Institute for Archaeologists, www.archaeologists.net

12.2 Jenny Hall (BSc Joint Hons., Geology and Archaeology, MCIfA) had 12 years excavation experience, which included undertaking watching briefs prior to becoming the Sites and Monuments Record Manager for a Welsh Archaeological Trust for 10 years. She has been an independent archaeologist since 2004 undertaking a variety of work that includes upland survey, desk-based appraisals and assessments, and watching briefs.

12.3 Paul Sambrook (BA Joint Hons., Archaeology and Welsh, MCIfA, PGCE) has extensive experience as a fieldworker in Wales. He was involved with Cadw's pan-Wales Deserted Rural Settlements Project for 7 years. He also undertook Tir Gofal field survey work and watching briefs. He has been an independent archaeologist since 2004 undertaking a variety of work including upland survey, desk-based appraisals/assessments, and watching briefs.

13. Insurance & Professional indemnity

13.1 Trysor has Public Liability and Professional Indemnity Insurance.

14. Project identification

14.1 The project has been designated Trysor Project No. 2015/474

Jenny Hall & Paul Sambrook
Trysor
July 2015

**Appendix B:
Site Gazetteer
within 2 kilometres**

ID number: 1 URN BURIAL, BRYN CRUG, NEAR BETHEL
CREMATION BURIAL

HER PRN: 36

NMR NPRN:

NGR: SH50946524 Grid reference taken at centre of site

Period: Bronze Age

Broadclass: Religious Ritual and Funerary

Form: Earthwork

Condition: Destroyed

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	In 1855 several Bronze Age funerary urns were discovered at Crug, along with a small tanged, bronze knife blade, a pin and a double-looped palstave axe head. In 1868, more Bronze Ages were found, including a funerary urn inverted over a second urn, which contained a pygmy cup and cremated bone. The exact locations of the findspots are not known.		
Rarity:	Not common		
Distance from turbine:	1.25km to the northwest of the turbine		
Group Value:	A group of Bronze Age funerary artefacts		
Evidential Value:	Documents, some artefacts still survive in museum collections		
Historical Value:	Described in archaeological sources e.g. George Smith, 2002, Survey of Prehistoric Funerary and Ritual Monuments; West Conwy and North Gwynedd (GAT Report)		
Aesthetic Value:	None		
Communal Value:	None		
Setting:	The location of the findspot of a number of Bronze Age artefacts at Crug in the 19th century has not been identified. It may have been on a rocky outcrop now within the garden at Crug, but this is not certain.		
Significance:	Regionally Important		
Any Direct Impact?:	No None		
Any Indirect Impact?:	No None		
Level of Impact on Setting:	None		
Comment on Impact:	This findspot is not accurately plotted and the artefacts discovered here in the 19th century have all been removed from the site.		

ID number: 2 BURIAL CHAMBER (POSSIBLE), NE OF BRYN,
FELINHELI

CHAMBERED TOMB?

HER PRN: 627 **NMR NPRN:** 56583
NGR: SH51546604 Grid reference taken at centre of site
Period: Prehistoric **Broadclass:** Religious Ritual and Funerary
Form: Other Structure **Condition:** Intact
Site Status:

SAM number: **LB number:** **grade:**
Trysor
Description:

Rarity: Not common

Distance from turbine: 1.65km to the north-northwest of the turbine

Group Value: None

Evidential Value: Stones set within an arable field

Historical Value: Discussed in archaeological sources e.g. George Smith, 2002, Survey of Prehistoric Funerary and Ritual Monuments; West Conwy and North Gwynedd (GAT Report)

Aesthetic Value: Photographed by the RCAHM in 1946, held at the NMR in Aberystwyth

Communal Value: None

Setting: A possible burial chamber, which may be of natural origin. Its modern setting lies within a post-medieval, arable field, facing northwest over a declining slope towards the Menai Straits. The land rises to the southeast. In terms of its historic setting, if it is a burial chamber, it fits in with the general pattern of Neolithic burial chambers in western Wales being positioned to face the coastline or other significant natural features. Its essential setting would therefore relate to the natural terrace on which it stands and the gentle slope towards the Menai Straits to the northwest.

Significance: Unknown

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The turbine would be likely to be visible to the south-southeast but would only cause a Very Low, indirect, visual impact. The turbine would not impact on key views or the essential setting of the possible monument.

ID number: 3 HUT GROUP (ENCLOSED), CAE METTA
HUT CIRCLE SETTLEMENT

HER PRN: 628

NMR NPRN:

NGR: SH5360664973 Grid reference taken at centre of site

Period: Roman

Broadclass: Domestic

Form: Multiple

Condition: Part Excavated

Site Status: Scheduled Ancient Monument

SAM number: CN168 **LB number:** **grade:**

Trysor Description: An enclosed hut circle settlement surrounded by a field system. The settlement lies within a polygonal enclosure containing several roundhouses and rectangular structures. It was partially excavated between 1971 and 1974 and amongst finds were Roman pottery dating to the 1st to 4th centuries, including Samian pottery, black burnished wares, amphorae and some pieces of lead and iron.

Rarity: Not common

Distance from turbine: 1.8km to the east-northeast of the turbine

Group Value: One of a number of hut circle settlements in the district

Evidential Value: Earthworks, excavation report

Historical Value: Described in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting: This settlement is situated at c.102m above sea level, just to the southeast of a minor stream valley, a tributary of the Afon Seiont. The site is now most hidden within a parcel of woodland and scrub with just its northern edge laying within an adjacent pasture field. Further features were recorded in the field to the east and the focus of activity may have been in that direction.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The turbine may be visible to the southwest, although the site is largely hidden in an area of woodland which would screen or even block views of the turbine. The development would only cause a Very Low, indirect, visual impact and would not impact on key views or the essential setting of the settlement.

ID number: 4 HUT CIRCLE, NR. CAE METTA
HUT CIRCLE

HER PRN: 630

NMR NPRN:

NGR: SH53806494 Grid reference taken at centre of site

Period: Roman **Broadclass:** Domestic

Form: Earthwork **Condition:** Damaged

Site Status:

Trysor Description: **SAM number:** **LB number:** **grade:**
This feature has been described by the RCAHMS in 1964 as a hut circle, approximately 8 metres in diameter, which was later used as the foundation for a sheepfold. The sheepfold has subsequently noted by GAT as having been destroyed, and the land appears to have been improved in modern times. The hut circle may be associated with the nearby enclosed, Romano-British settlement of Cae Metta (PRN 628).

Rarity: Not common

Distance from turbine: 1.95km to the east-northeast of the turbine

Group Value: One of a number of hut circle settlements in the district

Evidential Value: Earthwork site

Historical Value: Described in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting: This feature was situated on a very gentle slope which descends northwestwards to a minor tributary of the Afon Seiont. It may have been associated with the nearby Cae Metta settlement, 200m to the west. It is not certain that the feature survives, as there has been recent land improvement work within the post-medieval pasture field in which it is located.

Significance: Regionally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The top of the turbine may be visible to the southwest, although an area of woodland at the edge of the field may screen views to some extent. The development would only cause a Very Low, indirect, visual impact and would not impact on key views or the essential setting of the settlement, which appears to relate to the Cae Metta settlement and the valley to the northwest.

ID number: 5 HUT GROUP, CEFN MAWR
HUT CIRCLE SETTLEMENT

HER PRN: 1584

NMR NPRN:

NGR: SH53336524 Grid reference taken at centre of site

Period: Prehistoric?

Broadclass: Domestic

Form: Other Structure

Condition: Damaged

Site Status: Scheduled Ancient Monument

SAM number: CN200

LB number:

grade:

Trysor

Description:

A group of four hut circles in an overgrown parcel of unimproved and poorly drained land. They are between 6m and 10m in diameter.

Rarity: Not common

Distance from turbine: 1.65km to the northeast of the turbine

Group Value: One of a number of hut circle settlements in the district

Evidential Value: Denuded earthworks

Historical Value: Described by Cadw for scheduling purposes

Aesthetic Value: None

Communal Value: None

Setting: This possible settlement lies just to the eastern side of a low ridge, overlooking a minor tributary stream of the Afon Seiont, downslope to the southeast. It now lies in an unimproved parcel of land within the farmed landscape.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The proposed turbine would be intervisible with this site. It would not affect key views of the site, or what appear to be key views from the monument towards the stream valley to the southeast. The setting of the monument would not be affected by the turbine.

ID number: 6 HUT CIRCLE (POSSIBLE), N OF CEFN MAWR
HUT CIRCLE?

HER PRN: 1585

NMR NPRN:

NGR: SH53336531 Grid reference taken at centre of site

Period: Prehistoric?

Broadclass: Domestic

Form: Document

Condition: Damaged

Site Status:

Trysor Description: **SAM number:** **LB number:** **grade:**
A possible hut circle, in a pasture field just north of the scheduled Cefn Mawr hut group. Dave Thompson of GAT suggested in 1996 that it was the product of agricultural activity.

Rarity: Not common

Distance from turbine: 1.7km to the northeast of the turbine

Group Value: Possibly one of a number of hut circle settlements in the district

Evidential Value: Denuded earthwork

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: This possible hut circle lies on the top of a low ridge, overlooking a minor tributary stream of the Afon Seiont, downslope to the southeast. It now lies in an improved pasture field within the farmed landscape.

Significance: Unknown

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The proposed turbine would be intervisible with this feature. It would not affect key views of the site, or what appear to be key views from the feature towards the stream valley to the southeast. The setting of the feature, particularly any relationship with the Cefn Mawr hut group just to the south, would not be affected by the turbine.

ID number: 7 RINGDITCH, NEAR CAERLAN TIBOT
RING DITCH?

HER PRN: 1832

NMR NPRN: 402206

NGR: SH5058064530 Grid reference taken at centre of site

Period: Prehistoric

Broadclass: Religious Ritual and Funerary

Form: Document

Condition: Damaged

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This cropmark site is found in a pasture field in a relatively flat landscape. It is slightly oval in plan, measuring about 50m x 45m. It may be a ring ditch of Bronze Age date, but this is not certain.		
Rarity:	Not common		
Distance from turbine:	1.35km to the west-northwest of the turbine		
Group Value:	None		
Evidential Value:	Cropmark site		
Historical Value:	Described in archaeological sources		
Aesthetic Value:	None		
Communal Value:	None		
Setting:	This cropmark site is found in a pasture field in a relatively flat landscape, where the land slopes away gently to the northeast and rises equally gently to the southwest. It is slightly oval in plan, measuring about 50m x 45m. The date and function of the feature has not been established and its original setting is not known.		
Significance:	Unknown		
Any Direct Impact?:	No None		
Any Indirect Impact?:	Yes Very Low Intervisibility		
Level of Impact on Setting:	None		
Comment on Impact:	The proposed turbine would be visible from this location but would only cause a Very Low, indirect, visual impact.		

ID number: 8 GREUOR, HOUSE, FELINHELI
HOUSE

HER PRN: 1961

NMR NPRN:

NGR: SH51876548 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition:

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Described in the RCAMW's Inventory for Caernarfonshire (Vol. II) as "a small house of the mid-18th century, but retains no features of interest. Condition: altered". The house is still in use.		

Rarity: Common

Distance from turbine: 1.05km to the north of the turbine

Group Value: None

Evidential Value: Standing building, in use

Historical Value: Mentioned by the RCAHMS in the county inventory in 1960.

Aesthetic Value: None

Communal Value: None

Setting: This 18th century house was built within its own grounds within the post-medieval field system to the northern side of a minor stream. The house would have originally been situated in an isolated position in a very rural landscape, but the village of Bethel has grown and expanded considerably to the southeast during modern times and housing developments have appeared within 200m of Greuor.

Significance: Locally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature trees and other buildings to the south of Greuor seem likely to screen or block views of the proposed turbine. The house appears to face the southeast, not south towards the turbine location.

ID number: 9 SMALL HOUSE 'DIDFA', LLANRUG
HOUSE

HER PRN: 1984

NMR NPRN:

NGR: SH53076361

Period: Post Medieval

Broadclass: Domestic

Form: Documents

Condition: Destroyed

Site Status:

Trysor
Description: **SAM number:** **LB number:** **grade:**
House recorded in the 1960 RCAHMW Inventory as several houses described as "...of the mid-18th century or earlier, but have generally been modernised and retain no features of interest unless otherwise noted" No longer shown on Ordnance Survey mapping and not visible on modern Aps.

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: RCAHMW 1960 Inventory

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 10 SMALL HOUSE 'BRYN Y FEDWEN', LLANRUG
HOUSE

HER PRN: 1985

NMR NPRN:

NGR: SH52836357

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Recorded in the 1960 RCAHWM Inventory, as one of several small houses in Llanrhug. Traditionally Brynyfedwen is associated with the Civil War, but whether any buildings that date to that period remain is unclear. The NGR given in the Inventory is different to that in the HER.		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: RCAHWM Inventory, 1960, page 215

Historical Value: Possible association with the Civil War

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 11 CAE POETH HOUSE, LLANRUG
HOUSE

HER PRN: 1987

NMR NPRN:

NGR: SH53306350 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status:

SAM number:

LB number:

grade:

**Trysor
Description:**

Rarity: Common

**Distance from
turbine:** 1.68km to the southeast of the turbine

Group Value: None

Evidential Value: Standing building, in use

Historical Value: Mentioned in archaeological sources

Aesthetic Value: A plan of the house is given in the county Inventory, courtesy of the RCAHMMW

Communal Value: None

Setting: This house and its outbuilding range stand to the north of the A4086 at the edge of Llanrug village. Originally it stood in open countryside alongside a country road, but the expansion of the village and upgrading of the road have significantly altered the setting of the property.

Significance: Locally Important

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
None

**Level of Impact
on Setting:** None

**Comment on
Impact:** Mature trees and undulating landscape to the northwest are likely to block views towards the proposed turbine.

ID number: 12 SEIONT MANOR, FORMER LLWYN Y BRAIN,
LLANRUG

HOUSE;HOTEL

HER PRN: 1988 **NMR NPRN:** 26735
NGR: SH52786380 Grid reference taken at centre of site
Period: Post Medieval;Modern **Broadclass:** Domestic;Commercial
Form: Building **Condition:** Intact
Site Status: Listed Building

SAM number: **LB number:** 22239 **grade:** II

Trysor Description: This small country house was built in the early 19th century. It was extended in the mid-19th century. By the late 20th century the house was empty and at present it remains unused, overshadowed by the neighbouring Seiont Manor Hotel.

Rarity: Not rare

Distance from turbine: 1km to the southeast of the turbine

Group Value: None

Evidential Value: Standing building, disused

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: A good example of a 19th century minor country house

Communal Value: None

Setting: Seiont Manor was built on the gentle valley slope to the south of the Afon Seiont, facing the river to the northwest. The house stood within its own private grounds with a range of outbuildings nearby to the north-northeast. In modern times the house has fallen out of use and the outbuildings have been replaced or expanded considerably to create the modern Seiont Manor Hotel complex.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The house faces the proposed turbine but the turbine would not impact on views of the building nor would it impact on its setting within its gardens.

ID number: 13 GLAN SEIONT HOUSE, LLANRUG
HOUSE

HER PRN: 1989 **NMR NPRN:** 26497
NGR: SH5234263935 Grid reference taken at centre of site
Period: Post Medieval **Broadclass:** Domestic
Form: Building **Condition:** Ruin
Site Status: Listed Building

SAM number: **LB number:** 22238 **grade:** II

Trysor Description: Glan Seiont was originally a single-roomed cottage, dating to the late 17th century, which was extended in the early 18th century to include three rooms, one of which was probably a cowhouse. Another extension was made to the southwestern side in the 19th century. The house is now a roofless ruin.

Rarity: Not rare

Distance from turbine: 670m to the southeast of the turbine

Group Value: None

Evidential Value: Derelict building

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: None

Communal Value: None

Setting: As the name implies, Glan Seiont lies just above the southern bank of the Afon Seiont. It is set within the post-medieval field system and has a group of associated outbuildings to its southeast and southwest.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature trees to the northwest of the house would block views of the turbine. The house is best viewed looking southeast, away from the turbine and the development would not impact on key views or on the setting of the building.

ID number: 14 HAFOD-GETHIN HOUSE, LLANRUG
HOUSE

HER PRN: 1990

NMR NPRN:

NGR: SH5217063107 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22233 **grade:** II

Trysor Description: This house is thought to be early to mid-17th century in origin. It is still in use despite being replaced by a larger house in the late 18th century.

Rarity: Not rare

Distance from turbine: 1.35km to the south-southeast of the turbine

Group Value: Part of Plas Gwyn farm

Evidential Value: Standing building, in use

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: Listed as an example of a 17th century farmhouse

Communal Value: None

Setting: This is the former farmhouse of Plas Gwyn farm and has been retained to the south of the late 18th century farmhouse built to replace it. It is maintained as part of the farmstead group.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: The later farmhouse built to the the northwest would block any view of the turbine. The development would have no impact on this building.

ID number: 15 GLAN YR AFON HOUSE, LLANRUG
HOUSE

HER PRN: 1991

NMR NPRN:

NGR: SH51906371

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Converted

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	The original house is now an outbuilding in the same line as the modern house. House recorded in the 1960 RCAHWW Inventory as one of several houses described as "...of the mid-18th century or earlier, but have generally been modernised and retain no features of interest unless otherwise noted"		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: RCAHWW Inventory 1960, number 1302

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 16 CEFN-TRE-SEIONT HOUSE, LLANRUG
HOUSE

HER PRN: 1994

NMR NPRN:

NGR: SH50606310

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	House recorded in the 1960 RCAHMW Inventory as several houses described as "...of the mid-18th century or earlier, but have generally been modernised and retain no features of interest unless otherwise noted"		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: Existing building but altered, recorded in NMR

Historical Value: Recorded in 1960 RCAHMW Inventory

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 17 TUMULUS, NW OF PENYGELLI, NR. CAERNARFON
CAIRN

HER PRN: 3109

NMR NPRN:

NGR: SH49996442 Grid reference taken at centre of site

Period: Bronze Age?

Broadclass: Religious Ritual and Funerary

Form: Earthwork

Condition: Damaged

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This cairn measures 18m in diameter and is 1m high. It is set within a post-medieval pasture field. It is not known whether it is a funerary cairn or a clearance feature. The mound is composed of angular stones, cobbles and some dumps of modern material, including brick (described by the Ordnance Survey in 1970).		

Rarity: Common

Distance from turbine: 1.9km to the west of the turbine

Group Value: None

Evidential Value: Stone mound in a pasture field

Historical Value: Described in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting: This cairn is set within a post-medieval pasture field. It is not known whether it is a funerary cairn or a clearance feature. The mound is composed of angular stones, cobbles and some dumps of modern material, including brick (described by the Ordnance Survey in 1970). GAT speculate that it could be a clearance cairn built over a natural hillock or outcrop. The RCAHMW (1960 County Inventory) noted possible structural elements in the form of revetting at the eastern side of the cairn. If it is a funerary cairn its setting appears to have been focused on the landscape to the north or west, in which directions the land falls away gently, rising gently to the east and south.

Significance: Unknown

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The top of the proposed turbine may be visible to the east of this cairn, but would cause only a Very Low, indirect, visual impact.

ID number: 18 BUILDING AND CIRCULAR ENCLOSURE,
ERW-HYWEL

BUILDING

HER PRN: 3462 **NMR NPRN:**
NGR: SH52826360
Period: Unknown **Broadclass:** Domestic
Form: Ruined Building **Condition:**
Site Status:

SAM number: **LB number:** **grade:**
Trysor Two long buildings are shown in the southern part of this semicircular
Description: field on historic mapping. The field is now used for static caravans and
only part of one of the two buildings is shown

Rarity: Unknown

**Distance from
turbine:**

Group Value: None

Evidential Value: Ruined Building

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting
not assessed

ID number: 19 ICE HOUSE - POSSIBLE, CRUG FARM, GRIFFITHS
CROSSING

ICEHOUSE

HER PRN: 3468

NMR NPRN:

NGR: SH50916518 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Other Structure

Condition: Unknown

Site Status:

SAM number:

LB number:

grade:

Trysor Description: Rectangular underground chamber close to the house suggested to be an ice house in 1992 when the site was visited.

Rarity: Not common

Distance from turbine:

Group Value: Associated with Crug Farm

Evidential Value: HER record

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Insufficient information. Not seen since 1992 and its grid-reference does not appear to be accurate. Indirect visual impact and impact on setting not assessed.

ID number: 20 STANDING STONE, POSSIBLE, SE OF AFONWY FARM

STANDING STONE

HER PRN: 3618

NMR NPRN:

NGR: SH51546285 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Commemorative

Form: Other Structure

Condition:

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This stone was erected on a natural knoll in a field belonging to the Plas Tirion estate in the late 19th century, by John Rowlands of Plas Tirion, to commemorate the survival of his son Hugh who fought in the Crimean War. It remains in place today.		

Rarity: Not rare

Distance from turbine: 1.65km to the south-southwest of the turbine

Group Value: One of several stones erected by John Rowlands to commemorate the Crimean War on the land of Plas Tirion

Evidential Value: Stone remains in situ

Historical Value: Mentioned in historical sources

Aesthetic Value: None

Communal Value: None

Setting: This stone was erected on a natural knoll in a field belonging to the Plas Tirion estate in the late 19th century. It seems to have been located to be visible from Afonwy Farm. It remains in place today.

Significance: Locally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The turbine would be visible from this site but would cause only a Very Low, indirect, visual impact. It would not affect the view of the stone from Afonwy Farm.

ID number: 21 **ROMAN SIGNAL STATION, NR. BRYN GLAS**
SIGNAL STATION?

HER PRN: 3689 **NMR NPRN:** 302501
NGR: SH50246344 Grid reference taken at centre of site
Period: Roman **Broadclass:** Defence
Form: Earthwork **Condition:** Damaged
Site Status: Scheduled Ancient Monument

SAM number: CN188 **LB number:** **grade:**
Trysor Description: There is some disagreement as to the purpose of this site. It was excavated in 1921 by Wheeler, Hemp and Nash-Williams, who claimed it to be a Roman Signal Station. They found pottery dating to the 2nd century AD, a central cobbled platform and some post holes, in an area defined on two sides (northeast and southwest) by an earthwork bank. There were no banks to the southeast or northwest. More recent geophysical survey by Dave Thompson of GAT (1995) showed a number of circular features, thought to be hut circles, within the same area and led to a conclusion that the site may actually be a native settlement of the Roman period. It was also found that there may be further archaeological features to the north. Decomposed bricks also found in 1921 were reinterpreted as possible evidence for a Roman villa site.

Rarity: Not common

Distance from turbine: 1.85km to the southwest of the turbine

Group Value: Possible link with a Roman Road

Evidential Value: Documentary sources

Historical Value: Mentioned in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting: There is some disagreement as to the purpose of this site. It was excavated in 1921 by Wheeler, Hemp and Nash-Williams, who claimed it to be a Roman Signal Station. They found pottery dating to the 2nd century AD, a central cobbled platform and some post holes, in an area defined on two sides (northeast and southwest) by an earthwork bank. There were no banks to the southeast or northwest. More recent geophysical survey by Dave Thompson of GAT (1995) showed a number of circular features, thought to be hut circles, within the same area and led to a conclusion that the site may actually be a native settlement of the Roman period. It was also found that there may be further archaeological features to the north. Decomposed bricks also found in 1921 were reinterpreted as possible evidence for a Roman villa site. This conflicting evidence casts uncertainty on the interpretation of the site and therefore its purpose. It is not included in Burnham & Davies' "Roman Frontiers in Wales and the Marches" of 2010.

If this was a Roman Signal Station, it would have been set close to the line of a road leading to the fort at Segontium. Its modern setting is within the post-medieval field system, just to the northeast of Caernarfon and 2km from the Roman fort of Segontium.

Significance: Unknown

Any Direct Impact?: No
None

<i>Any Indirect Impact?:</i>	Yes Very Low Intervisibility
<i>Level of Impact on Setting:</i>	None
<i>Comment on Impact:</i>	The proposed turbine would be intervisible with this site at distance, causing only a Very Low, indirect, visual impact. It would not affect key views of the feature, which is not prominent in the landscape. The setting of the monument would not be affected by the turbine.

ID number: 22 CAERLAN TIBOT, ENCLOSURE, NE OF
CAERNARFON

ENCLOSURE

HER PRN: 3693

NMR NPRN:

NGR: SH50706480 Grid reference taken at centre of site

Period: Unknown

Broadclass: Unassigned

Form: Earthwork

Condition: Damaged

Site Status: Scheduled Ancient Monument

SAM number: CN400

LB number:

grade:

Trysor

Description:

This circular earthwork is of unknown date and purpose and therefore an assessment of its original setting problematic. Both the RCAHMW and GAT have suggested it may be an Iron Age Defended Enclosure. It is about 60m in diameter and is defined by a single bank, with a simple entrance through its northeast side.

Rarity: Not common

Distance from turbine: 1.2km to the west-northwest of the turbine

Group Value: None

Evidential Value: Earthwork site

Historical Value: Described in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting:

This circular earthwork is of unknown date and purpose and therefore an assessment of its original setting problematic. Both the RCAHMW and GAT have suggested it may be an Iron Age Defended Enclosure. It is about 60m in diameter and is defined by a single bank, with a simple entrance through its northeast side. The earthwork is situated on a elevation, with the land surface falling away gently to the west, north and east, but rising to the south. It has views towards the Menai Strait. Its modern setting is within a post-medieval field system on a working farm. It has suffered modern erosion due to farm activity.

Significance: Nationally Important

Any Direct

Impact?:

No

None

Any Indirect

Impact?:

Yes

Low

Intervisibility

Level of Impact on Setting:

None

Comment on

Impact:

The proposed turbine would be intervisible with this monument. It would not affect key views of the monument, or what appear to be key views from the monument towards lower ground to the northeast the Menai Strait (the channel itself does not seem to be visible). The setting of the monument would not be affected by the turbine.

ID number: 23 HUT CIRCLES AND FIELD SYSTEM, W OF ADEN,
CADNANT

HUT CIRCLE SETTLEMENT

HER PRN: 3698 **NMR NPRN:** 302527
NGR: SH51746456 Grid reference taken at centre of site
Period: Prehistoric? **Broadclass:** Domestic
Form: Multiple **Condition:** Damaged
Site Status:

Trysor Description: **SAM number:** **LB number:** **grade:**
This site includes a hut circle, measuring 8m in diameter and a possible field system to its southwest. The site is situated at c.68m above sea level, overlooking the Afon Cadnant from the valley slope to the southeast. The land rises to the southeast. The complex has been interpreted as a prehistoric settlement, but a local tradition has it that there was a church here. This may be based on the field name Cefn-feddau to the south and a well named Ffynnonfedydd to the northeast, which are suggestive of an ecclesiastical link.

Rarity: Not common

Distance from turbine: 195m to the northwest of the turbine

Group Value: Possibly related to hut circle PRN3699

Evidential Value: Denuded earthworks

Historical Value: Described in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting: This site is situated at c.68m above sea level, overlooking the Afon Cadnant from the valley slope to the southeast. The land rises to the southeast. A possible field system has been noted along the valley side to the southwest. The modern setting of the site is within a post-medieval field system, with a group of mature trees immediately to its southeast.

Significance: Locally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The proposed turbine is likely to be visible from this location but mature trees upslope to the southeast of the feature would screen views of the turbine. The turbine would not interfere with the setting of the hut circle, which appears focused on the land to the southwest, along the valley of the Cadnant stream, where evidence has been noted of an apparently associated field system, as well as on the stream itself, to the northwest. The turbine would lay to the southeast.

ID number: 24 HUT CIRCLE, S OF RHYD Y GALEN
HUT CIRCLE

HER PRN: 3699 **NMR NPRN:** 302528

NGR: SH51436436 Grid reference taken at centre of site

Period: Prehistoric? **Broadclass:** Domestic

Form: Earthwork **Condition:** Intact

Site Status: Scheduled Ancient Monument

Trysor Description: **SAM number:** CN229 **LB number:** **grade:**
This feature is a denuded, circular earthwork platform, terraced into the slope and measuring c.10m in diameter. It is situated at c.67m above sea level, overlooking the Afon Cadnant from the valley slope to the northwest.

Rarity: Not common

Distance from turbine: 480m to the west-southwest of the turbine

Group Value: Possibly related to hut circle PRN3698

Evidential Value: Denuded earthworks

Historical Value: Described in archaeological sources

Aesthetic Value: None

Communal Value: None

Setting: This feature is situated at c.67m above sea level, overlooking the Afon Cadnant from the valley slope to the southeast. The land rises to the southeast. The modern setting of the site is within a post-medieval field system, with a mature hedgerow running southwest to northeast immediately to its southeast.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Low
Possible intervisibility

Level of Impact on Setting: None

Comment on Impact: The top of the proposed turbine is likely to be visible from this location but the hedgerow upslope of the feature may screen or largely block views of the turbine. The turbine would not interfere with the setting of the hut circle, which appears focused on the Cadnant stream to the northwest, the turbine would lay to the east-northeast.

ID number: 25 ST. MICHAEL'S CHURCH, W OF LLANRUG
CHURCH

HER PRN: 3709

NMR NPRN: 43797

NGR: SH52696308 Grid reference taken at centre of site

Period: Medieval

Broadclass: Religious Ritual and Funerary

Form: Building

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 3802 **grade:** II*

Trysor

Description:

St Michael's is the parish church of Llanrug. Internally it retains many medieval features, including the nave and chancel walls and a 15th century roof. The north and south transepts are of 16th or 17th century in date. The church remains in use in 2015 and stands within a very large churchyard.

Rarity: Common

Distance from turbine: 1.6kmm to the southeast of the turbine

Group Value: None

Evidential Value: Standing building, in use

Historical Value: Described by Cadw for listing purpose

Aesthetic Value: A church building with medieval fabric

Communal Value: Place of worship

Setting: This church stands at about 116m above sea level, on a low ridge between two minor stream valleys. The churchyard is a composite of rectilinear parcels, mostly added to the east and south of the original core around the church during the 20th century to extend the area available for burials. It is accessed via a lane from the east-northeast, which connects the church with the village of Llanrug.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The top of the proposed turbine is likely to be visible from this location but numerous mature trees in the landscape to the northwest of the church are likely to screen views of the turbine. The turbine would not interfere with the setting of the church.

ID number: 26 CRUG FARM GARDEN, GRIFFITHS CROSSING
GARDEN

HER PRN: 4436

NMR NPRN:

NGR: SH50906522

Period: Modern

Broadclass: Gardens Parks and Urban Spaces

Form: Landscape

Condition: Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Modern garden and nursery		

Rarity: Not Common

Distance from turbine:

Group Value: Part of nursery

Evidential Value: Mapping

Historical Value: None

Aesthetic Value: Planted garden

Communal Value: Unknown

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: This is a modern nursery. Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 27 BUARTHAU HOUSE, LLANRUG
HOUSE

HER PRN: 5288

NMR NPRN:

NGR: SH52466338

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	House shown as roofed on modern mapping		

Rarity: Common

**Distance from
turbine:**

Group Value: None

Evidential Value: Described in 1960 RCAHMW Inventory

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 28 TY'N Y COED HOUSE, LLANRUG
HOUSE

HER PRN: 5289

NMR NPRN:

NGR: SH52256303

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Described in the RCAHMMW Inventory, 1960, page 215, number 1305, it may contain the core of an earlier building which has been altered and extended.		

Rarity: Common

Distance from turbine:

Group Value:

Evidential Value: RCHAMW 1960 Inventory

Historical Value: May have an earlier core to the building

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 29 PLATFORM HOUSE, REMAINS OF, PLASTIRION LODGE

HOUSE PLATFORM

HER PRN: 5577

NMR NPRN:

NGR: SH51496270 Grid reference taken at centre of site

Period: Medieval

Broadclass: Domestic

Form: Earthworks

Condition: Intact

Site Status:

SAM number:

LB number:

grade:

Trysor Description: The well-preserved earthworks of a medieval or early-post medieval house site, with an associated enclosure, within a pasture field.

Rarity: Not rare

Distance from turbine: 1.8km to the south-southwest of the turbine

Group Value: None

Evidential Value: Earthwork site

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: This deserted settlement site is situated at about 85m above sea level, at the edge of a natural terrace apparently facing the Afon Seiont to the northwest. The land around it is now predominantly improved pasture, although a wooded strip lies along the slope below the terrace, close by to the northeast.

Significance: Locally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature woodland to the northeast would block views of the turbine from this location. The development would not affect the site.

ID number: 30 CIRCULAR BANK, GLASGOED
BANK (EARTHWORK)

HER PRN: 5685

NMR NPRN:

NGR: SH53876451 Grid reference taken at centre of site

Period: Unknown

Broadclass: Unassigned

Form: Earthwork

Condition: Damaged

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This unusual feature appears to be a sub-circular enclosure, defined by a bank and situated at the edge of a pasture field, partly overlain by a post-medieval field boundary which touches on its southern side. Its date and purpose have not been established.		

Rarity: Not rare

Distance from turbine: 1.97km to the east of the turbine

Group Value: Unknown

Evidential Value: Denuded earthwork site

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: As the date and purpose of this feature have not been established, its historical setting is not understood. It does appear to pre-date the post-medieval field system within which it is found and now stands disused at the edge of a pasture field, at an altitude of 122m above sea level. The land falls away to the west and north and south and rises slightly to the south and east, with the Afon Seiont some 450m to the south.

Significance: Unknown

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The turbine would be visible to the west. The development would only cause a Very Low, indirect, visual impact and would not impact on key views or the essential setting of the feature.

ID number: 31 POSSIBLE HUT GROUP, TYDDYN Y FELIN
HUT CIRCLE SETTLEMENT?

HER PRN: 5686 **NMR NPRN:**
NGR: SH53836437 Grid reference taken at centre of site
Period: Prehistoric? **Broadclass:** Domestic
Form: Earthwork **Condition:**
Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This site has not been accurately described and appears to be a curved bank within an unimproved corner of a pasture field, which has been suggested to be a possible prehistoric "hut group" in the past. It is not known what the true character and date of the feature might be.		
Rarity:	Unknown		
Distance from turbine:	1.95km to the east of the turbine		
Group Value:	Unknown		
Evidential Value:	Possible earthworks		
Historical Value:	None		
Aesthetic Value:	None		
Communal Value:	None		
Setting:	As the date and purpose of this feature have not been established, its historical setting is not understood. It is found at the corner of a pasture field, at an altitude of 122m above sea level. The land rises gently to the northeast but otherwise falls away gently from this location, with the Afon Seiont some 300m to the south.		
Significance:	Unknown		
Any Direct Impact?:	No None		
Any Indirect Impact?:	Yes Very Low Intervisibility		
Level of Impact on Setting:	None		
Comment on Impact:	The turbine would be visible to the west. The development would only cause a Very Low, indirect, visual impact and would not impact on key views or the essential setting of the feature.		

ID number: 32 RUG MEDIEVAL TOWNSHIP
TOWNSHIP

HER PRN: 6843

NMR NPRN:

NGR: SH51006300

Period: Medieval

Broadclass: Domestic

Form: Document

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	No information about the township is included in the HER record, and so no assessment can be made of impact		

Rarity: Not common

Distance from turbine:

Group Value: None

Evidential Value: Township file in the HER

Historical Value: Township file in the HER

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: No archaeological features are recorded in associated with this PRN.

ID number: 33 SMALL FIBULA, FINDSPOT, CRUG FARM
FINDSPOT

HER PRN: 7042

NMR NPRN:

NGR: SH50926489

Period: Roman

Broadclass: Object

Form: Find Only

Condition:

Site Status:

SAM number:

LB number:

grade:

Trysor

Description:

Rarity:

**Distance from
turbine:**

Group Value:

Evidential Value:

Historical Value:

Aesthetic Value:

Communal Value:

Setting:

Significance: Unknown Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Grid-reference appears to be inaccurate. Artefacts have been removed from this location so indirect visual impact and impact on setting not assessed

ID number: 34 **STANDING STONES, PLASTIRION**
STONE SETTING

HER PRN: 7987

NMR NPRN:

NGR: SH52056282 Grid reference taken at centre of site

Period: Post Medieval **Broadclass:** Commemorative

Form: Other Structure **Condition:** Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This stone was erected in a field belonging to the Plas Tirion estate in the late 19th century, by John Rowlands of Plas Tirion, to commemorate the survival of his son Hugh who fought in the Crimean War. It remains in place today.		
Rarity:	Not rare		
Distance from turbine:	1.6km to the south-southeast of the turbine		
Group Value:	One of several stones erected by John Rowlands to commemorate the Crimean War on the land of Plas Tirion		
Evidential Value:	Stone remains in situ		
Historical Value:	Mentioned in historical sources		
Aesthetic Value:	None		
Communal Value:	None		
Setting:	This stone was erected in a field belonging to the Plas Tirion estate in the late 19th century. It may have been intended to be visible from Plas Tirion or its Home Farm. It remains in place today.		
Significance:	Locally Important		
Any Direct Impact?:	No None		
Any Indirect Impact?:	Yes Very Low Intervisibility		
Level of Impact on Setting:	None		
Comment on Impact:	The turbine would be visible from this site but would cause only a Very Low, indirect, visual impact. It would not affect the view of the stone from Plas Tirion or its Home Farm.		

ID number: 35 PLAS GWYN HOUSE, LLANRUG
HOUSE

HER PRN: 11417

NMR NPRN:

NGR: SH5216263140 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 3803 **grade:** II

Trysor Description: This house is thought to be late-18th century in origin. It is still occupied and well-preserved, retaining many original features.

Rarity: Not rare

Distance from turbine: 1.35km to the south-southwest of the turbine

Group Value: The farmhouse in a small farmstead group

Evidential Value: Standing building, in use

Historical Value: David Lloyd George is said to have regularly visited Plas Gwyn. Described by Cadw for listing purpose

Aesthetic Value: An 18th century gentry farmhouse retaining Georgian features.

Communal Value: None

Setting: Plas Gwyn was built on a northwest facing slope to the southeast of the Afon Seiont. It had its outbuildings to its eastern side and an earlier farmhouse, which it replaced, stood to the south (which still survives). It is now used as a guesthouse and the farm also has a small caravan park in the fields to the east of the outbuildings.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature trees and hedgerows to the northwest of the house are likely to block views of the turbine. The turbine would not impact on views of the house or its setting.

ID number: 36 ERW-PWLL-Y-GLO, LLANDDEINIOLEN
HOUSE

HER PRN: 12128 **NMR NPRN:** 26441

NGR: SH5157563938 Grid reference taken at centre of site

Period: Post Medieval **Broadclass:** Domestic

Form: Building **Condition:** Intact

Site Status: Listed Building

SAM number: **LB number:** 3771 **grade:** II
Trysor Description: An unspoilt 19th century minor gentry house, dating to the 1830s, retaining many original features.

Rarity: Not common

Distance from turbine: 590m to the southwest of the turbine

Group Value: None

Evidential Value: Standing building

Historical Value: Described by Cadw for Listing Purposes

Aesthetic Value: Unspoilt 19th century gentry house with polite detailing in an vernacular context

Communal Value: None

Setting: This 19th century minor gentry house stands alongside a minor country road within its own garden, with a yard and outbuildings to the southeast of the house. The house faces northwest and southeast. The garden and adjacent road is bordered with trees and mature hedgerows.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature trees and hedgerows to the northeast of the house would block views of the turbine. The turbine would not impact on views of the house or its setting within its garden.

ID number: 37 TYDDYN CONGLOG COTTAGE, SITE OF, BETHEL
COTTAGE

HER PRN: 18325

NMR NPRN:

NGR: SH5196565712 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Document

Condition: Destroyed

Site Status:

Trysor
Description: **SAM number:** **LB number:** **grade:**
No trace of this cottage survives in a pasture field.

Rarity: Common

**Distance from
turbine:**

Group Value: None

Evidential Value: Historic mapping

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting
not assessed

ID number: 38 TRACKWAY, BETHEL
TRACKWAY

HER PRN: 19173

NMR NPRN:

NGR: SH51586530

Period: Post Medieval

Broadclass: Transport

Form: Earthwork

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Constructed trackway recorded during desk-based assessment for the Bethel to Felinheli Rising Main in 2004		

Rarity: Not Common

Distance from turbine:

Group Value: Unknown

Evidential Value: Earthwork feature

Historical Value: None

Aesthetic Value: None

Communal Value: Public right of way

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 39 **BLOCKED GATEWAY, BETHEL
GATEWAY**

HER PRN: 19174

NMR NPRN:

NGR: SH51586530

Period: Post Medieval

Broadclass: Monument (By Form)

Form: Other structure

Condition: Damaged

Site Status:

Trysor **SAM number:** **LB number:** **grade:**
Description: Gateway through field boundary, now blocked up with stone.

Rarity: Common

**Distance from
turbine:**

Group Value: Part of fieldscape

Evidential Value: Described in GAT report 533, unknown if it still exists

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 40 PEDESTRIAN GATE, BETHEL
GATE

HER PRN: 19175

NMR NPRN:

NGR: SH51586531

Period: Post Medieval?

Broadclass: Monument (By Form)

Form: Other structure

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Sheet iron kissing gate recorded as part of desk-based assessment for Bethel to Felinheli Rising Main in 2014.		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: Described in GAT report 533, unknown if it still exists

Historical Value: None

Aesthetic Value: None

Communal Value: Used by the public

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 41 EARLY LAND BOUNDARY, POSSIBLE, BETHEL
BOUNDARY

HER PRN: 19176

NMR NPRN:

NGR: SH51936567

Period: Unknown

Broadclass: Agriculture and Subsistence

Form: Topography

Condition: Unknown

Site Status:

SAM number:

LB number:

grade:

Trysor Description: A curvilinear field boundary within field system, recorded during desk based assessment for the Bethel to Felinheli Rising Main in 2004, suggested to be a fossilised medieval boundary line.

Rarity: Common

Distance from turbine:

Group Value: Part of the fieldscape of the area

Evidential Value: Mapping and field boundary

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 42 TRACK OR PATH, BETHEL
PATH

HER PRN: 19177

NMR NPRN:

NGR: SH51996578

Period: Post Medieval

Broadclass: Transport

Form: Earthwork

Condition:

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Trackway recorded during desk-based assessment for the Bethel to Felinheli Rising Main in 2004		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: Desk-based assessment, GAT, 2004

Historical Value: None

Aesthetic Value: None

Communal Value: Public right of way

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 43 EARLY LAND BOUNDARY, POSSIBLE, BETHEL
BOUNDARY

HER PRN: 19178

NMR NPRN:

NGR: SH52126589

Period: Unknown

Broadclass: Agriculture and Subsistence

Form: Topography

Condition: Unknown

Site Status:

SAM number:

LB number:

grade:

Trysor Description: A curvilinear field boundary within field system, recorded during desk based assessment for the Bethel to Felinheli Rising Main in 2004, suggested to be a fossilised medieval boundary line.

Rarity: Common

Distance from turbine:

Group Value: Part of the fieldscape of the area

Evidential Value: Mapping and field boundary

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 44 EARLY LAND BOUNDARY OR ENCLOSURE,
POSSIBLE, Y

BOUNDARY
FELINHELI

HER PRN: 19179

NMR NPRN:

NGR: SH52226628

Period: Unknown

Broadclass: Agriculture and Subsistence

Form: Topography

Condition:

Site Status:

SAM number:

LB number:

grade:

Trysor Description: A curvilinear field boundary within field system, recorded during desk based assessment for the Bethel to Felinheli Rising Main in 2004, suggested to be a fossilised medieval boundary line.

Rarity: Common

Distance from turbine:

Group Value: Part of the fieldscape of the area

Evidential Value: Mapping and field boundary

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 45 CRAWIA SLATE MILL, BETHEL
SLATE MILL

HER PRN: 20064

NMR NPRN:

NGR: SH53606430 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Industrial

Form: Complex

Condition: Various

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	A series of buildings and processing works at three sites along the northern side of the Afon Seiont, position alongside the Carnarvon & Llanberis Branch of the L&NWR, which worked during the late 19th and early 20th century. They included the Crawia and Pontrhythyll Slate Mills at the western and eastern ends of the complex initially, to which were added the Crawia Mills (School Slate) works in the early 20th century. The works closed in the 1920s.		

Rarity: Not rare in district

Distance from turbine: 1.7km to the east of the turbine

Group Value: None

Evidential Value: Historic mapping

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: A series of buildings and processing works at three sites along the northern side of the Afon Seiont, position alongside the Carnarvon & Llanberis Branch of the L&NWR, which worked during the late 19th and early 20th century. Few standing structures remain, apart from buildings at the northwestern corner of the complex which have been converted into a private residence. Much of the site is now wooded.

Significance: Locally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature woodland growin on or around the site of the former slate mills would be likely to block views towards the proposed turbine.

ID number: 46 COPPER ALLOY FLAT AXEHEAD, FINDSPOT, CRUG
FINDSPOT

HER PRN: 24019

NMR NPRN:

NGR: SH50526480 Not precise

Period: Bronze Age

Broadclass: Object

Form: Find Only

Condition:

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	A copper alloy axe head of early Bronze Age date was found in this vicinity. It is now kept in the National Museum of Wales.		

Rarity: Not common

Distance from turbine: c.1.4km to the west-northwest of the turbine

Group Value: None

Evidential Value: Findspot

Historical Value: Described in archaeological sources

Aesthetic Value: Example of early Bronze Age metalworking

Communal Value: None

Setting: This findspot is not precisely identified and the artefact discovered has been removed. No assessment of impact on setting can be made.

Significance: Regionally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: This findspot is not precisely identified and the artefact discovered has been removed. No impact assessment can be made.

ID number: 47 LEAD MOUNT, FINDSPOT, Y FELINHELI
FINDSPOT

HER PRN: 24121

NMR NPRN:

NGR: SH51916591

Period: Post Medieval

Broadclass: Object

Form: Find Only

Condition:

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Findspot of a post medieval lead mount, no information regarding how it was found. A record for it was not identified in the PAS database.		

Rarity: Not Common

Distance from turbine:

Group Value: None

Evidential Value: Post medieval lead mount, removed from the findpot

Historical Value: None

Aesthetic Value: Depicts an eagle gripping a serpent

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 48 SPINDLE WHORLS, FINDSPOT, Y FELINHELI
FINDSPOT

HER PRN: 24123

NMR NPRN:

NGR: SH52046594

Period: Medieval

Broadclass: Object

Form: Find Only

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Findspot for two lead spindle whorls, removed from site and current location unknown, records GAT-BE0782 and GAT-BD6762 in PAS database		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: Recorded in HER

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 49 HOUSE, GLAN-DWR
HOUSE

HER PRN: 56144

NMR NPRN:

NGR: SH5335564352

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Building shown as roofed on modern mapping		

Rarity: Common

**Distance from
turbine:**

Group Value: Unknown

Evidential Value: Shown on mapping

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 50 BUILDING, E OF GLAN-DWR
BUILDING

HER PRN: 56145

NMR NPRN:

NGR: SH5338064360

Period: Post Medieval

Broadclass: Unassigned

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Small building identified from maps during Glastir Private Woodland project, shown unroofed on modern 1:10000 mapping, not shown on late 19th century OS maps		

Rarity: Unknown

Distance from turbine:

Group Value: Unknown

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 51 TANK, SE OF CRUG HOUSE
WATER TANK

HER PRN: 56182

NMR NPRN:

NGR: SH5092665103

Period: Post Medieval?

Broadclass: Water Supply and Drainage

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Recorded during Glastir Private Woodland in 2014, shown as a spring on earlier Historic 6 inch Ordnance Survey maps		

Rarity: Common

Distance from turbine:

Group Value: None

Evidential Value: HER record

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 52 SHEEP DIP, CRUG HOUSE
SHEEP DIP

HER PRN: 56183

NMR NPRN:

NGR: SH5092865155

Period: Post Medieval?

Broadclass: Agriculture and Subsistence

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Recorded as part of Glastir Private Woodland project. Not labelled on Ordnance Survey maps		

Rarity: Common

Distance from turbine:

Group Value: Unknown

Evidential Value: HER record

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 53 BUILDING, N OF CRUG HOUSE
BUILDING

HER PRN: 56184

NMR NPRN:

NGR: SH5094665240

Period: Post Medieval

Broadclass: Unassigned

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Recorded as part of Glastir Private Woodland project. Small extant outbuilding on modern mapping, not visible on aerial photographs due to tree coverage.		

Rarity: Common

Distance from turbine:

Group Value: Part of Crug

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 54 WEIR, S OF PONT-RUG
WEIR

HER PRN: 57070

NMR NPRN:

NGR: SH5122863158

Period: Post Medieval

Broadclass: Water Supply and Drainage

Form: Other Structure

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Weir across Afon Seiont, show on modern mapping		

Rarity: Common

**Distance from
turbine:**

Group Value: None

Evidential Value: Shown on modern mapping

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 55 BUILDING 1, N OF PONT-RUG
BUILDING

HER PRN: 57071

NMR NPRN:

NGR: SH5123163214

Period: Post Medieval

Broadclass: Unassigned

Form: Building

Condition: Damaged

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Shown on unroofed on modern mapping		

Rarity: Common

Distance from turbine:

Group Value: Unknown

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 56 BUILDING 2, N OF PONT-RUG
BUILDING

HER PRN: 57072

NMR NPRN:

NGR: SH5124363230

Period: Post Medieval

Broadclass: Unassigned

Form: Building

Condition: Damaged

Site Status:

Trysor **SAM number:** **LB number:** **grade:**
Description: Shown on unroofed on modern mapping.

Rarity: Common

**Distance from
turbine:**

Group Value: Unknown

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting
not assessed

ID number: 57 BUILDING AND ENCLOSURE, N OF PONT-RUG
BUILDING

HER PRN: 57073

NMR NPRN:

NGR: SH5123563205

Period: Post Medieval?

Broadclass: Unassigned

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Shown on unroofed on modern mapping. Building shown 1st edition OS map but not on later editions. Area now overgrown with trees.		

Rarity: Unknown

Distance from turbine:

Group Value: Unknown

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 58 BUILDING, S OF GLANRAFON FARM
BUILDING

HER PRN: 57082

NMR NPRN:

NGR: SH5193963580

Period: Post Medieval

Broadclass: Unassigned

Form: Ruined Building

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Recorded as part of Glastir Private Woodland project. Building shown on 1st edition Ordnance Survey map as roofed ,b ut unroofed by mid 20th century maps. Now overgrown with trees.		

Rarity: Common

Distance from turbine:

Group Value: Another building also ruined to its northeast

Evidential Value: Identified from early Ordnance Survey maps

Historical Value:

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 59 BUILDING 1, SE OF GLANRAFON FARM
BUILDING

HER PRN: 57083

NMR NPRN:

NGR: SH5198663600

Period: Post Medieval

Broadclass: Unassigned

Form: Building

Condition: Damaged

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Small building shown on modern mapping as unroofed		

Rarity: Common

**Distance from
turbine:**

Group Value: Part of Glanrafon Farm

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 60 BUILDING 2, SE OF GLANRAFON FARM
BUILDING

HER PRN: 57084

NMR NPRN:

NGR: SH5200063603

Period: Post Medieval

Broadclass: Unassigned

Form: Building

Condition: Damaged

Site Status:

Trysor **SAM number:** **LB number:** **grade:**
Description: Building shown on modern mapping as unroofed

Rarity: Common

**Distance from
turbine:**

Group Value: Part of Glanrafon Farm

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting
not assessed

ID number: 61 BUILDING 1, SW OF PLAS GWYN
BUILDING

HER PRN: 57085

NMR NPRN:

NGR: SH5213263090

Period: Post Medieval

Broadclass: Unassigned

Form: Building

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Site recorded as part of Glastir Private Woodland project in 2014 but there is no building shown on historic Ordnance Survey maps at the location of the NGR, although there are small buildings to the north and west. The record probably refers to one of these but it is not clear.		

Rarity: Common

Distance from turbine:

Group Value: Part of outbuildings at Plas Gwyn

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 62 BUILDING 2, SW OF PLAS GWYN
BUILDING

HER PRN: 57086

NMR NPRN:

NGR: SH5209563081

Period: Post Medieval

Broadclass: Unassigned

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	Recorded during Glastir Private Woodland project in 2014, as a building shown on early historic Ordnance Survey maps. It is not shown on modern 1:10000 Ordnance Survey mapping.		

Rarity: Common

Distance from turbine:

Group Value: Part of Plas Gwyn outbuildings

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 63 BRIDGE, N OF PLAS TIRION
BRIDGE

HER PRN: 57087

NMR NPRN:

NGR: SH5247462848

Period: Post Medieval

Broadclass: Transport

Form: Documents

Condition: Unknown

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This bridge was recorded as part of a Glastir Private Woodland project, it is shown on 1st edition Ordnance Survey map as a road to Pals Tirion carried over a watercourse.		

Rarity: Common

Distance from turbine:

Group Value: Pat of Plas Tirion grounds

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 64 BUILDING AND ENCLOSURE, N OF PLAS TIRION
BUILDING

HER PRN: 57088

NMR NPRN:

NGR: SH5248762818

Period: Post Medieval

Broadclass: Unassigned

Form: Building

Condition: Damaged

Site Status:

SAM number:

LB number:

grade:

Trysor Description: An outbuilding to the north of Plas Tirion recorded during Glastir Private Woodlands work in 2014 from mapping. On modern mapping it is shown as unroofed.

Rarity: Unknown

Distance from turbine:

Group Value: Part of Plas Tirion

Evidential Value: Identified from early Ordnance Survey maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

Any Direct Impact?: No
None

Any Indirect Impact?: No
Not Assessed

Level of Impact on Setting: Not Assessed

Comment on Impact: Site of minor importance so indirect visual impact and impact on setting not assessed

ID number: 65 POND, N OF PLAS TIRION
POND

HER PRN: 57089

NMR NPRN:

NGR: SH5249262857

Period: Post Medieval

Broadclass: Water Supply and Drainage

Form: Earthwork

Condition: Intact

Site Status:

Trysor
Description: **SAM number:** **LB number:** **grade:**
Recorded as part of Glastir Private Woodland project.

Rarity: Common

**Distance from
turbine:**

Group Value: Part of Plas Tiron grounds

Evidential Value: Historic mapping, extant water feature

Historical Value: None

Aesthetic Value: Part of landscaping at Plas Tiron

Communal Value: None

Setting: Not assessed as site of minor importance

Significance: Minor Importance

**Any Direct
Impact?:** No
None

**Any Indirect
Impact?:** No
Not Assessed

**Level of Impact
on Setting:** Not Assessed

**Comment on
Impact:** Site of minor importance so indirect visual impact and impact on setting
not assessed

ID number: 66 PLAS TIRION
 STABLES

HER PRN:

NMR NPRN:

NGR: SH5250862805 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Agriculture and Subsistence

Form: Building

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22243 **grade:** II

Trysor Description: This stable block which stands to the northeast of Plas Tirion mansion, at the northern side of an associated yard on the opposite side of which stands an earlier stable block and coachhouse. It was built in 1880.

Rarity: Not common

Distance from turbine: 1.75km to the south-southeast of the turbine

Group Value: Associated with Plas Tirion mansion

Evidential Value: Standing building, in use

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: None

Communal Value: None

Setting: This building range stands immediately to the northeast of Plas Tirion mansion, at the heart of the estate. The walled garden is found to the south, a service yard and further stable block to the north, woodland to the west and an access to adjacent fields to the east.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature woodland to the northwest of the building would block views of the turbine. The turbine would not affect key views of the building or its setting within its estate context.

ID number: 67 TYDDYN SLATERS
RING DITCH?

HER PRN:

NMR NPRN:

NGR: SH5080163737 Grid reference taken at centre of site

Period: Bronze Age?

Broadclass: Religious Ritual and Funerary

Form: Cropmark

Condition: Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	An apparent circular cropmark visible in the southern corner of a pasture field on the 2006 Google Earth aerial image. It measures approximately 23m in diameter.		
Rarity:	Not rare		
Distance from turbine:	1.3km to the west-southwest of the turbine		
Group Value:	None		
Evidential Value:	Cropmark visible on an aerial photograph		
Historical Value:	None		
Aesthetic Value:	None		
Communal Value:	None		
Setting:	This feature is situated at approximately 64m above sea level, on the northwest-facing side of a low ridge which runs southwest to northeast across the district, between the Afon Seiont to the southeast and the Cadnant to the northwest. It now lies within a pasture field in the post-medieval field system.		
Significance:	Regionally Important		
Any Direct Impact?:	No None		
Any Indirect Impact?:	Yes Very Low Intervisibility		
Level of Impact on Setting:	None		
Comment on Impact:	The turbine would be likely to be visible to the northeast but would only cause a Very Low, indirect, visual impact. The turbine would not impact on key views or the essential setting of the possible monument, which would appear to relate to views to or from the northwest.		

ID number: 68 ADEN
HOUSE

HER PRN:

NMR NPRN:

NGR: SH5198464551 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status:

Trysor Description: **SAM number:** **LB number:** **grade:**
Aden is the dwelling within a small, post-medieval farmstead which has developed on the gentle, eastern valley slope of the Afon Cadnant. The house is shown on 19th century Ordnance Survey maps and has been modernised in the 20th century. It remains occupied.

Rarity: Common

Distance from turbine: 144m to the northeast of the turbine

Group Value: The dwelling on a small farmstead

Evidential Value: Standing building, in use

Historical Value: None

Aesthetic Value: None

Communal Value: None

Setting: This house stands at c.80m above sea level, on a gentle slope which runs down to the Cadnant stream to the northwest. It stands within its post-medieval field system, with outbuildings to the north and northeast. It is accessed via a lane from the southwest.

Significance: Locally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
High
Intervisibility

Level of Impact on Setting: None

Comment on Impact: The proposed turbine would be visible from the house, at the far end of the field to the southwest of the building. It would not affect key views of the house, which is not prominent in the landscape, which are gained from the lane further to the north of the turbine site and it approaches the farmyard area.

ID number: 69 PLAS TIRION
STABLES; COACHHOUSE

HER PRN:

NMR NPRN:

NGR: SH5249362786 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Agriculture and Subsistence

Form: Building

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22242 **grade:** II

Trysor

Description:

This is the stable and coachhouse block which stand to the northeast of Plas Tirion mansion, at the southern side of an associated yard on the opposite side of which stands a later stable block. The combined stable and coachhouse were built in the early 19th century when the mansion underwent remodelling.

Rarity: Not rare

Distance from turbine: 1.75km to the south-southeast of the turbine

Group Value: Associated with Plas Tirion mansion

Evidential Value: Standing building, in use

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: None

Communal Value: None

Setting: This building range stands immediately to the northeast of Plas Tirion mansion, at the heart of the estate. The walled garden is found to the south, a service yard and further stable block to the north, woodland to the west and an access to adjacent fields to the east.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature woodland to the northwest of the building would block views of the turbine. The turbine would not affect key views of the building or its setting within its estate context.

ID number: 70 PLAS TIRION
WALLED GARDEN

HER PRN:

NMR NPRN:

NGR: SH5249062777 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Gardens Parks and Urban Spaces

Form: Other Structure

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22241 **grade:** II

Trysor Description: This is the walled kitchen garden of Plas Tirion mansion. It was built in the early 19th century when the house underwent remodelling.

Rarity: Not common

Distance from turbine: 1.75km to the south-southeast of the turbine

Group Value: Associated with Plas Tirion mansion

Evidential Value: Standing walls

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: None

Communal Value: None

Setting: This walled kitchen garden lies immediately to the southeast of Plas Tirion mansion in a rather enclosed situation. There is woodland to the south and east, further woodland to the north and the mansion and garden trees to the west.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: The mansion to the northwest of the house would block views of the turbine. The turbine would not affect key views of the walled garden or its setting.

ID number: 71 **PLAS TIRION**
MANSION

HER PRN:

NMR NPRN:

NGR: SH5246162780 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Domestic

Form: Building

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22240 **grade:** II

Trysor Description: Plas Tirion was originally built in the late 16th century and the central part of the house survives from that period. Additions were made during the 1800s and the later 19th century. It has been the home of the Rowlands family since the late 18th century.

Rarity: Not common

Distance from turbine: 1.75km to the south-southeast of the turbine

Group Value: This house lies within a formal garden with associated outbuildings

Evidential Value: Standing building, in use

Historical Value: Described by Cadw for listing purposes

Aesthetic Value: Listed as a substantial 16th century house with Gothick additions around 1800

Communal Value: None

Setting: The mansion was built within its own estate grounds on a west-facing slope at c.116m above sea level. The house faces the west-northwest, looking towards the Seiont valley. Several outbuildings lay in woodland to the north of the house, and most are now ruined. The home farm lies close by to the southwest of the house. To the west is a lawned area with a small parkland beyond, with enclosed, formal garden to the east. The house has mature woodland to the south and north, with the only clear views westwards over the parkland area.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: No
None

Level of Impact on Setting: None

Comment on Impact: Mature woodland to the northwest of the house would be likely to block views of the turbine. The turbine would not affect key views of the house or its setting within its gardens.

ID number: 72 **ST. MICHAEL'S, LLANRUG
BOUNDARY**

HER PRN:

NMR NPRN:

NGR: SH5269163072 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Monument (By Form)

Form: Complex

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22246 **grade:** II

Trysor Description: This listed building comprises a late 18th or 19th boundary wall, which defines the extent of the medieval churchyard. The railings on the wall and a memorial are also listed and are good examples of Victorian Gothic ironwork.

Rarity: Not rare

Distance from turbine: 1.6km to the southeast of the turbine

Group Value: Features in the parish churchyard

Evidential Value: Surviving 18th century structures

Historical Value: Described by Cadw for listing purpose

Aesthetic Value: None

Communal Value: Features in parish churchyard

Setting: These features are of 18th or 19th century date and are found around the edge of the original churchyard around the parish church.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Possible intervisibility

Level of Impact on Setting: None

Comment on Impact: The top of the proposed turbine may be visible from this location but numerous mature trees in the landscape to the northwest are likely to screen views of the turbine. The turbine would not interfere with the setting of these features.

ID number: 73 ST. MICHAEL'S, LLANRUG
LYCHGATE

HER PRN:

NMR NPRN:

NGR: SH5267663082 Grid reference taken at centre of site

Period: Post Medieval

Broadclass: Religious Ritual and Funerary

Form: Other Structure

Condition: Intact

Site Status: Listed Building

SAM number:

LB number: 22236 **grade:** II

Trysor Description: This lychgate was built in 1714 at the entrance to the parish churchyard, paid for by money bequeathed to the church by the Rev. Rice Morgan. It remains standing today.

Rarity: Not rare

Distance from turbine: 1.6km to the southeast of the turbine

Group Value: Associated with the parish church

Evidential Value: Standing structure

Historical Value: Described by Cadw for listing purpose

Aesthetic Value: An example of an 18th century lychgate

Communal Value: Feature of parish churchyard

Setting: This lychgate was built in 1714 at the entrance to the parish churchyard and remains in use today.

Significance: Nationally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Possible intervisibility

Level of Impact on Setting: None

Comment on Impact: The top of the proposed turbine may be visible from this location but numerous mature trees in the landscape to the northwest of the lychgate are likely to screen views of the turbine. The turbine would not interfere with the setting of the lychgate.

ID number: 74 L&NWR CARNARVON & LLANBERIS BRANCH
RAILWAY

HER PRN:

NMR NPRN:

NGR: SH5288064210 Grid reference taken at point along linear site

Period: Post Medieval

Broadclass: Transport

Form: Complex

Condition: Damaged

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This was a branch line of the Carnarvon Railway, built following an Act of Parliament in 1864 to connect Caernarfon with Llanberis, eight miles away. The branch line was closed in 1964 as a result of the Beeching cuts. Sections of the track bed survive, including many features such as cuttings, embankments and bridges, and remain in use as a pathway.		

Rarity: Common

Distance from turbine: c.580m to the southeast

Group Value: Formerly part of the rail network in north-west Wales

Evidential Value: Earthwork elements and some structures survive

Historical Value: Described in historical sources

Aesthetic Value: None

Communal Value: Can be used as a footpath or cycle track in places

Setting: This branch line followed the contours eastwards from Caernarfon along the relatively level Seiont valley, crossing the river several times before turning southeast to cut across the countryside to the western side of the Rythell valley and then following the western side of Llyn Padarn to its terminus at Llanberis. In modern times some of the track bed has been lost to road or other developments, but large sections can still be seen passing through wooded areas and fields, with section used as a trackway for pedestrians.

Significance: Regionally Important

Any Direct Impact?: No
None

Any Indirect Impact?: Yes
Very Low
Some intervisibility

Level of Impact on Setting: None

Comment on Impact: It is possible that the proposed turbine would be visible from limited sections of the old railway, although were it passes to the south of Aden the course of the line is now mostly hidden in woodland and it is unlikely that many views of the surrounding area would be possible. The turbine would only cause a Very Low, indirect, visual impact.

ID number: 75 ADEN
BANK (EARTHWORK)

HER PRN:

NMR NPRN:

NGR: SH5188464438 Grid reference taken at point along linear site

Period: Post Medieval **Broadclass:** Monument (By Form)

Form: Earthwork **Condition:** Intact

Site Status:

	SAM number:	LB number:	grade:
Trysor Description:	This boundary bank forms part of the field system on Aden farm and would be impacted upon by a wind turbine which it is proposed (in 2015) to erect on the western end of the bank. The bank is less than 1m high and along most of its length well-vegetated with occasional mature deciduous trees, including oaks.		
Rarity:	Common		
Distance from turbine:	On proposed site of turbine		
Group Value:	Part of a field system		
Evidential Value:	Intact boundary feature		
Historical Value:	None		
Aesthetic Value:	None		
Communal Value:	None		
Setting:	This boundary bank forms part of the field system on Aden farm, on the gentle valley slope to the east of the Afon Cadnant.		
Significance:	Minor Importance		
Any Direct Impact?:	Yes High A short section of the bank would be removed		
Any Indirect Impact?:	No None		
Level of Impact on Setting:	None		
Comment on Impact:	At least 20 metres of the western end of the bank would have to be removed to make way for the turbine and an associated hardstanding area.		

**Appendix C:
Scheduled Ancient Monuments
within 2km to 5km**

Scheduled Ancient Monument number	Site Name	Site Type	NGR	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
AN006	Bryn-yr-Hen-Bobl Burial Chamber	Chambered round cairn	SH519689					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
AN051	Caer Idris Hillfort	Hillfort	SH494679	4.3km to the northwest of the turbine	Visible from public road	This Iron Age hillfort was set on a low hillock. The A4080 now cuts across the northern edge of the monument, with the rest of the site being hidden in a parcel of mature deciduous woodland.	This site is hidden in woodland and would have no view of the turbine.	None	None
AN054	Old Parish Church	Church	SH494669	3.45km to the northwest of the turbine	A footpath passes the church	This former parish church stand within a small churchyard, surrounded by mature deciduous trees. The church was partly demolished in 1844 and thereafter was used as a mortuary chapel. It stands within the Llanidan Estate and is conserved by its present owners.	Mature trees surrounding the building would block views of the proposed turbine.	None	None
AN059	Perthi-Duon Burial Chamber	Chambered tomb	SH479667	4.55km to the northwest of the turbine	None	The original setting of this monument is not known. It is possible that views towards the Menai Straits and Snowdonia, to the southeast, were of significance. It now stands in a pasture field, bordered by mature hedgerows which include frequent mature deciduous trees.	The mature hedgerow to the southeast and mature trees in the same direction area likely to screen views of the turbine.	None	None
AN060	Round Barrow East of Brynsiencyn	Round barrow	SH488669	4km to the northwest of the turbine	Visible from public road	The original setting of this monument is not known. It now stands in a pasture field, bordered by mature hedgerows which include frequent mature deciduous trees.	The mature trees in the hedgerow to the southeast are likely to screen views of the turbine.	None	None

Scheduled Ancient Monument number	Site Name	Site Type	NGR	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
CN006	Segontium Roman Site	Fort	SH485624					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN017	Dinas Dinorwic Camp	Hillfort	SH549653	3.2km to the east-northeast of the turbine	Visible from public roads	This Iron Age hillfort was built on a summit on a ridge which runs northeast to southwest. It has excellent views over the landscape, including towards the sea, Anglesey, the Lleyn peninsula and Snowdonia. Trees planted outside the northwestern quadrant now block views in that direction. The monument survives as a substantial earthwork.	The turbine would be visible to the southwest, but set down on lower ground and not as a dominant feature. It would only cause a minimal visual impact and not affect views of the hillfort or its essential setting.	Very Low	None
CN034	Caernarfon Town Wall	Town Wall	SH479626					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN047	Dinas Camp	Promontory Fort - coastal	SH518671					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting

Scheduled Ancient Monument number	Site Name	Site Type	NGR	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
CN050	Pen-Isa'r-Waen Camp	Enclosed hut circle	SH555636	3.75km to the east-southeast	None	This undated enclosure, which includes two round hut bases, sits on a local summit at just above 140m above sea level and would originally have had good views over the surrounding landscape. It has been incorporated into the post-medieval field system and is now a parcel of rough pasture, with gorse spreading across it, surrounded by improved pasture fields.	The turbine would be visible to the northwest, but set down on lower ground and not as a dominant feature. It would only cause a minimal visual impact and not affect views of the enclosure or its essential setting.	Very Low	None
CN058	Caer Carreg y Fran	Hillfort	SH547627	3.3km to the southeast	Visible from public roads	This hillfort is situated on the summit of a rocky knoll at about 175m above sea level. There are several round huts within the enclosure. The site offers good views over the surrounding landscape.	The turbine would be visible to the northwest, but set down on lower ground and not as a dominant feature. It would only cause a minimal visual impact and not affect views of the hillfort or its essential setting.	Very Low	None
CN060	Glascoed Ancient Village	Enclosed hut circle	SH547647	2.8km to the east-northeast of the turbine	None	This site is situated on the southeast-facing valley slope of a minor stream valley, facing southeast. It is now gorse-covered and obscured from view.	The turbine would not be visible from this site as high gorse bushes now grow across the scheduled area. If the gorse were to be cleared the turbine may be visible down the valley but would only cause a minimal visual impact, with no impact on the setting of the monument.	Very Low	None

Scheduled Ancient Monument number	Site Name	Site Type	NGR	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
CN079	Caernarfon Castle	Castle	SH477626					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN094	Lower Roman Fort	Fort	SH482623					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN149	Pen-y-Gaer Camp	Hillfort	SH547643	2.85km to the east of the turbine	Visible from public road	This enclosure sits on a local summit, just over 150m above sea level. It is undated and its function is not known, therefore its original setting isn't understood. It now survives as a sub-rectilinear, stone enclosure incorporated into the post-medieval field system.	The turbine would stand on lower ground to the west and it is likely that intervening trees and hedgerows would block views of the turbine from this direction. The top of the turbine may just be visible, but would only cause a minimal visual impact.	None	None
CN150	Glascoed Round Cairn	Round cairn	SH546649	2.8km to the east-northeast	None	The Gwynedd Archaeological Trust have dismissed this feature as an antiquity. It is a natural outcrop on which clearance stones have been placed.	This is not an antiquity.	Very Low	None
CN156	Rectangular Earthwork 110m NW of Coed Ty Mawr	Moated Site	SH555664					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN223	Llys Dinorwig	Enclosure	SH562631					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting

Scheduled Ancient Monument number	Site Name	Site Type	NGR	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
CN224	Settlement NW of Waen Rhythallt	Enclosed hut circle	SH543640	2.45km to the east-southeast	Visible from public road	The date and function of this site are unknown, therefore its original setting cannot be assessed. It now survives as an earthwork site in a pasture field, apart from one ruined, rectilinear stone building to the southwest. This building is shown on historic Ordnance Survey maps and may be of 19th century date. Its relationship to the rest of the complex is not known.	The turbine would be visible to the northwest but would only cause a minimal visual impact on this site.	Very Low	None
CN228	Hut Group, Near Galltycelyn, S of Cwm-y-Glo	Unenclosed hut circle	SH551615					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN230	Hut and Enclosure Near Mur-Moch	Unenclosed hut circle	SH553617					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN231	Hut Circles NE of Garreg Lefain	Unenclosed hut circle	SH544616	3.75km to the southeast of the turbine	Open access land	Two hut circles stand at just over 260m above sea level on unimproved upland, from where there are good views to the north. Their original setting cannot be assessed.	The turbine would be visible to the northwest but would only cause a minimal visual impact on this site.	Very Low	None
CN232	Hut Group Near Tan-y-Coed Pont Rhythallt	Hut group	SH550636					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting

Scheduled Ancient Monument number	Site Name	Site Type	NGR	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
CN375	Coed Nant-y-garth, standing stone to N of	Standing stone	SH541682					Excluded from further assessment as not intervisible and no impact on setting	Excluded from further assessment as not intervisible and no impact on setting
CN390	Carreg Lefain Cairn	Round cairn	SH540617	3.85km to the southeast of the turbine	Open access land	This cairn is found at just over 270m above sea level on unimproved upland, from where there are good views to the north. Its original setting cannot be assessed, although the view from or to the lower ground to the north may have been important from this position.	The turbine would be visible to the northwest but would only cause a minimal visual impact on this site.	Very Low	None
CN392	Parc y Gleision Standing Stone	Standing stone	SH547618	3.85km to the southeast of the turbine	Open access land	This stone stands at just over 230m above sea level on unimproved upland, from where there are good views to the north and east. Its original setting cannot be assessed.	The turbine would be visible to the northwest but would only cause a minimal visual impact on this site.	Very Low	None

Appendix D: Listed Buildings within 2km to 5km

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
14549	Llanfair Hall including attached courtyard ranges and all subdivided units	250930	366297	II					Excluded	Excluded
14550	Former Coach-house to the rear of Llanfair Hall	250960	366302	II					Excluded	Excluded
14551	Former Game Larder to the rear of Llanfair Hall	250960	366291	II					Excluded	Excluded
14923	Post Office	247996	362625	II					Excluded	Excluded
14924	Bryntirion	253136	368651	II*					Excluded	Excluded
14927	Church of St Deiniol	254570	365920	II	3km to the northeast of the turbine	Place of worship	This church was built in the mid-19th century close to the site of the medieval church, which was demolished. It now stands, surrounded by mature trees, within its churchyard, in a rural setting.	The mature trees surrounding the church would block views of the proposed turbine.	None	None
17380	Dock System at Y Felinheli	252786	367930	II					Excluded	Excluded
17381	Former Dock Offices at Y Felinheli	252738	367833	II					Excluded	Excluded
18333	Ffinfa	252742	367792	II					Excluded	Excluded
18334	Cae Gwyn	252726	367779	II					Excluded	Excluded
18335	War Memorial	252646	367732	II					Excluded	Excluded
18336	Church of Saint Mary	250165	366024	II					Excluded	Excluded
18337	Field Barn at Llanfair Farm	250734	366068	II					Excluded	Excluded
18338	Milestone on A487	250084	365390	II					Excluded	Excluded
18339	Y Fron	253174	368147	II					Excluded	Excluded
18340	No. 1 Singrig	253553	368254	II					Excluded	Excluded
18341	Former Railway Station	252683	367679	II					Excluded	Excluded
18342	Arvonja	252522	367571	II					Excluded	Excluded
18343	South Dock and quay walls at Y Felinheli	252439	367696	II					Excluded	Excluded
18344	Vaynol Park Wall (the part in Y Felinheli Community)	253082	368056	II					Excluded	Excluded
18345	Port Church and Port Church House	253326	368225	II					Excluded	Excluded
18346	Road Bridge over former Padarn Railway	253545	367737	II					Excluded	Excluded
18347	1 Cae Glas	253203	368140	II					Excluded	Excluded
18348	2 Cae Glas	253206	368143	II					Excluded	Excluded
18349	3 Cae Glas	253210	368146	II					Excluded	Excluded
18350	4 Cae Glas	253213	368150	II					Excluded	Excluded
18351	5 Cae Glas	253219	368133	II					Excluded	Excluded
18352	No. 2 Bodarborth	252778	367796	II					Excluded	Excluded
18353	No. 2 Singrig	253546	368254	II					Excluded	Excluded
18354	No. 3 Singrig	253538	368253	II					Excluded	Excluded
18355	Engine Shed on former Padarn Railway	253448	367806	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
18910	Boundary Wall to Vaynol Park, including railings along the Menai Strait shore.	254115	368753	II					Excluded	Excluded
18925	Gate piers in boundary wall by Wern Gogas	253389	368303	II					Excluded	Excluded
18926	Gate piers on Bryntirion Drive	253211	368298	II					Excluded	Excluded
18962	Castle Square Presbyterian Church of Wales, including forecourt walls and railings	248000	362642	II					Excluded	Excluded
19729	Boathouse of Plas Newydd	252107	369416	II					Excluded	Excluded
19730	Home Farm, Plas Newydd	251406	369089	II	4.6km to the north-northwest of the turbine	None	The farm buildings of the Home Farm of the Plas Newydd estate, built in the heart of the estate demesne in 1804 to replace an earlier farm at a different location. It was designed by the architect Joseph Potter, who also designed Plas Newydd mansion. The farm buildings still stand today.	Intervening trees and hedgerows would block views of the proposed turbine. The turbine would have no impact on the setting of this feature in its parkland context.	None	None
19731	Walls of square enclosed garden of Plas Newydd	251403	369043	II	4.5km to the north-northwest of the turbine	None	A walled kitchen garden to the Plas Newydd estate of probable late 18th century date.	Intervening trees and hedgerows would block views of the proposed turbine. The turbine would have no impact on the setting of this feature in its parkland context.	None	None
19732	Apple House adjoining to south of square garden, Plas Newydd	251484	369004	II	4.5km to the north-northwest of the turbine	None	An estate building of probable late 18th century date, associated with Plas Newydd and within the estate's kitchen garden complex.	Intervening trees and hedgerows would block views of the proposed turbine. The turbine would have no impact on the setting of this building within its parkland context.	None	None
19733	Walls of very large rectangular enclosed garden, Plas Newydd, adjoining square garden on south-west	251527	369038	II		None	A large, walled kitchen garden to the Plas Newydd estate built in the early 19th century.	Intervening trees and hedgerows would block views of the proposed turbine. The turbine would have no impact on the setting of this building within its parkland context.	None	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
19734	Plas Llanedwen	251397	368919	II	4.5km to the north-northwest of the turbine	None	This country house probably originates in the 17th century, when it appears to have been built within the parkland of the Plas Newydd estate and was a gentleman's residence in the mid-19th century. It may also have been used as a Gardener's residence for Plas Newydd in the later 19th century. The house still stands within the Plas Newydd estate and its main prospect is to the northwest.	Intervening trees and hedgerows are likely to block views of the proposed turbine. The turbine would have no impact on the setting of the house within its parkland context.	None	None
19735	The Old Cutter	251770	367887	II					Excluded	Excluded
19736	Plas Coch	251170	368440	II*					Excluded	Excluded
19740	Plas Coch Lodge	251221	368606	II	4.2km to the north-northwest of the turbine	Visible from public road	This lodge was built in the early 19th century. It still stands at one of the entrances into the Plas Coch estate.	Intervening trees would block views of the proposed turbine. The turbine would have no impact on the setting of this building within its estate context.	None	None
19741	Walls and gatepiers at entrance to Plas Coch	251227	368622	II	4.2km to the north-northwest of the turbine		This set of gate piers and associated walls were built in the early 19th century along with the adjacent lodge. They still stand at one of the entrances into the Plas Coch estate.	Intervening trees would block views of the proposed turbine. The turbine would have no impact on the setting of this feature within their estate context.	None	None
19742	Barn at Plas Coch	251153	368323	II	3.9km to the north-northwest of the turbine	None	A threshing barn built within the Plas Coch estate demesne in the 17th century and still standing today, in a wooded area.	Intervening trees would block views of the proposed turbine. The turbine would have no impact on the setting of this building within its estate context.	None	None
19743	Church of St. Edwen	251772	368250	II	3.75km to the north of the turbine	A place of worship	The present church was built in 1856 to replace an earlier church of medieval origin. The setting of the original church is not understood, although it must have stood within a churchyard enclosure. The surrounding landscape has been improved and altered by the Plas Newydd estate in post-medieval times. The key view of the church would appear to have been, and remains, the view from the trackway which approaches it from the southwest.	There are views of the church from the north and northeast, from the churchyard boundary and the turbine may appear in the distance in some of these, although the church building itself would block those from the north.	Low	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
19744	Castell Gwylan	251146	367397	II					Excluded	Excluded
19747	Ty Newydd	250990	369136	II	4.8km to the north-northwest of the turbine	Visible from public road	This cottage was built as an estate house by the Plas Newydd estate in the early 19th century at a crossroads to the west of the parkland of Plas Llanedwyn.	The proposed turbine would not be visible from this house and would not impact on its setting within Llanedwen village or in terms of its relationship with the nearby Plas Newydd estate.	None	None
19748	Farm Lodge	251111	368921	II	4.6km to the north-northwest of the turbine	Visible from public road	This lodge was built in 1914 to replace an earlier lodge. It still stands at one of the entrances into the Plas Newydd estate.	The proposed turbine would not be visible from this lodge and would not impact on its setting in terms of its relationship with the Plas Newydd estate.	None	None
19749	Church Lodge	251582	368150	II	3.7km to the north of the turbine	Visible from public road	This lodge was built in 1914 by the Plas Newydd estate to replace an earlier lodge. It still stands at the entrance to Llanedwen church, which lies within the demesne of the estate.	Intervening trees would block views of the proposed turbine. The turbine would have no impact on the setting of this building within its estate context.	None	None
19751	Decorative walling in front of Plas Coch	251200	368430	II					Excluded	Excluded
19752	Bridge at Plas Coch	251148	368488	II					Excluded	Excluded
19755	Farm Lodge entrance walls and gate piers	251101	368928	II	4.6km to the north-northwest of the turbine	Visible from public road	This set of gate piers and associated walls were built in 1914 along with the adjacent lodge. They still stand at one of the entrances into the Plas Newydd estate.	The proposed turbine would not be visible from this location and would not impact on its setting in terms of its relationship with the Plas Newydd estate.	None	None
19756	Church Lodge entrance walls and gatepiers	251574	368160	II	3.7km to the north of the turbine	Visible from public road	This set of gate piers and associated walls were built in 1914 along with the adjacent lodge. They still stand at the entrance to Llanedwen church, which lies within the demesne of the estate.	Intervening trees would block views of the proposed turbine. The turbine would have no impact on the setting of this building within its estate context.	None	None
19784	Cae'r-maen	253188	362059	II	2.7km to the southeast of the turbine	Visible from public road	This pair of semi-detached cottages were built in the late 18th or early 19th centuries as encroachments onto marginal land. They are still occupied but the land around them is now well improved, enclosed farmland.	The turbine would be on lower ground but be visible in the distance, causing only a minimal visual impact, with no impact on key views of the building or its setting within the fieldscape.	Very Low	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
19872	Trefarthen	248272	366025	II	3.95km to the west-northwest of the turbine	The coastal path passes about 200m to the south from where views of the house may be possible	This 19th century farmhouse is set to the south of its associated farmyard and farm buildings, within its post-medieval field system. The house faces east-southeast across flat fields towards the Menai Straits, with the Snowdonia range in the distance. Trees offer shelter to the north, west and south.	The proposed turbine is likely to be visible from this location but would not impact on views of the house or its essential setting in terms of its relationship with its associated farm buildings.	Low	None
19873	Corn barn at Trefarthen (S side of yard)	248270	366100	II	3.95km to the west-northwest of the turbine	None	This 18th century corn barn stands at the southern edge of the farmyard at Trefarthen.	The barn faces north and a building to its eastern side would block views towards the turbine.	None	None
19874	Corn-barn at Trefarthen (N side of yard)	248287	366147	II	3.95km to the west-northwest of the turbine	None	This 19th century barn is situated at the northern side of the farmyard at Trefarthen facing the farmyard to the south. A large, modern agricultural shed now stands immediately north of it.	Trees to the east of this building would block views towards the turbine.	None	None
19875	Mill and Waterwheel, with attached Stables, at Trefarthen	248240	366102	II	3.95km to the west-northwest of the turbine	None	This mid-19th century building stands at the south-western edge of the farmyard at Trefarthen. A large, modern agricultural shed stands immediately to the west of it.	Buildings and trees to the east side of this building would block views towards the turbine.	None	None
19876	Ty Capel	248411	367055	II	4.35km to the northwest of the turbine	Visible from public road	This small cottage was built against the southern gable wall of 'Rhen Gapel in the 19th century. It stands to the west of the main road which runs northeast out of Brynsiencyn village.	A building on the opposite side of the road to the southeast blocks any view towards the proposed turbine.	None	None
19877	Capel Libanus	248383	366979	II	4.3km to the northwest of the turbine	Visible from public road	An early 20th century chapel built at the roadside at the southern edge of Brynsiencyn village. It replaced Rhen Gapel, which still stands about 100m to the north. The chapel is no longer in use.	The top of the turbine may be visible in the distance, on the opposite side of the Menai Straits, but would not break the skyline. The turbine would have no impact on views of this chapel or on its setting within Brynsiencyn village.	Very Low	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
19878	Hen Ysgol and Church Hall	248802	367397	II	4.25km to the north-northwest of the turbine	Visible from public road	This former school building and attached school house were built in the mid-19th century, alongside the main road northeast of Brynsiencyn village. It was later used as a church hall but is not now in pristine condition. The school house is still used as a residence. By the mid-20th century road improvements moved the main road further to the southeast, away from the building.	The proposed turbine would be visible in the distance, but would not break the skyline. It would not impact on views of this building or its essential setting.	Very Low	None
19879	Pigsty and boiling house at Trefarthen	248247	366125	II	3.95km to the west-northwest of the turbine	None	This mid-19th century building stands at the western edge of the farmyard at Trefarthen.	Buildings and trees to the east of this building would block views towards the turbine.	None	None
19880	Stables at Llanidan House	249450	366905	II	3.5km to the northwest of the turbine	Visible from public road	The early history of this building is uncertain. It may be the original house associated with the medieval monastic grange at Llanidan, which was supplanted by the nearby Llanidan Hall in the early 17th century. It has also been suggested that it was a purpose built stable block built for Llanidan Hall, built during the 17th century. It was later used as a vicarage and has again used as a stable block from the 19th century.	Mature trees to the southeast would block any views towards the proposed turbine.	None	None
19881	Barn with attached cartshed-granary, at Llan Idan farm	249299	367001	II	3.65km to the northwest of the turbine	Visible from public road	This farm outbuilding range may have origins in the medieval monastic grange of Llanidan, with barn suspected to have originally served as a tithe barn. Since the 17th century the buildings have served as part of the Home Farm to Llanidan Hall and its estate.	Mature trees to the southeast would block any views towards the proposed turbine.	None	None
19882	Capel Horeb	248157	367133	II					Excluded	Excluded
19884	Cowhouse, Hammels and Cartshed at Trefarthen	248287	366119	II	3.95km to the west-northwest of the turbine	None	This mid-19th century building stands at the eastern edge of the farmyard at Trefarthen.	Trees to the east of this building would block views towards the turbine.	None	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
19885	Privy tower at Porthamel	250639	367899	II	3.7km to the north-northwest of the turbine	A public footpath runs just to the south of the building	This building was built in the mid-19th century in the corner of the garden to the south of Porthamel house. It still stands today.	Mature trees to the south of the building would block views towards the proposed wind turbine.	None	None
19886	Yr Unicorn	248016	365456	II	4km to the west-northwest	Visible from public road	This is a former ferry house, built close to the water's edge in the 18th century. The ferry has long been discontinued and the house has been used as a private residence.	The top of the turbine may be visible from this location but would not have an impact on key views of this cottage or its setting on the banks of the Menai.	Low	None
19888	Wall of circular churchyard, St. Nidan's Church (Old Church)	249496	366921	II	3.45km to the northwest of the turbine	Visible from a footpath	This wall defines a sub-circular churchyard around the former parish church of Llanidan. The wall is intact and up to 2m in height. Mature deciduous trees grow around the circuit.	Mature trees around the churchyard and to the southwest would block any views of the proposed turbine.	None	None
19889	Capel Horeb Assembly rooms	248152	367155	II					Excluded	Excluded
21640	Former Post Office & Nos 1-3 Maes Gerddi	253721	362531	II	2.6km to the southeast of the turbine	Visible from public road	This former post office and attached row of three terraced cottages were built along the roadside at Tanycoed in the late 19th century.	A hedge on the opposite side of the road would block views of the turbine to some extent and it would only cause a minimal visual impact. The turbine would not affect views of this row or its setting in Tanycoed village.	Very Low	None
21856	Pont Penllyn (partly in Llanddeiniolen community)	255944	362333	II					Excluded	Excluded
22033	Ty-Hen	252291	359546	II					Excluded	Excluded
22035	Ty'n Twll	251983	360045	II					Excluded	Excluded
22037	Grand Lodge to Glan Gwna Hall	249806	361887	II	3.3km to the southwest of the turbine	Visible from public road	This lodge was set at one of two entrances into the Glan Gwna Hall estate demesne in the late 19th century. The building still stands, now surrounded by mature trees. The estate to the north has been turned into a large holiday chalet complex.	Mature woodland to the north would block views towards the turbine.	None	None
22038	Bryn Eglwys	249596	361331	II					Excluded	Excluded
22039	Stables/Coach House at Bryn Eglwys	249591	361311	II					Excluded	Excluded
22040	Boundary wall at Bryn Eglwys	249616	361344	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
22041	Bryn Eden and terrace walls to front	249648	361782	II	3.45km to the southwest of the turbine	None	A mid-19th century house built within its own grounds and set within the post-medieval field system, with mature woodland now growing to the north.	Mature woodland to the north would block views towards the turbine.	None	None
22042	Stables at Wern	250331	361172	II	3.6km to the southwest of the turbine	None	This barn stands at the western end of the farmyard building group of Wern farm, with mature woodland on three sides and the other farm buildings to the east.	Mature woodland to the north would block views towards the turbine.	None	None
22043	Pigsties at Wern	250375	361168	II	3.6km to the southwest of the turbine	None	These pigsties stand at the eastern end of the farmyard building group of Wern farm, with mature woodland to the north, the farmhouse to the west and pasture to the east.	Mature woodland to the north would block views towards the turbine.	None	None
22044	Stables/Bothy at Plas Glan-yr-Afon	250411	359802	II					Excluded	Excluded
22045	Milestone	250835	361203	II	3.4km to the south-southwest of the turbine	Visible from public road	An early 19th century milestone positioned alongside a turnpike road between Caernarfon and Beddgelert.	Mature trees north of the milestone would block any views of the turbine.	None	None
22046	Milestone	251788	359946	II					Excluded	Excluded
22047	Milestone	249490	361994	II	2.45km to the south-southeast of the turbine	None	The central section of this house was built as a vicarage to Llanrug parish before the mid-19th century. It has since been extended northwards and southwards to create a large house. It is now divided into multiple dwellings. It stands in extensive grounds, surrounded by mature trees.	Mature trees to the northwest of the house would block views towards the turbine.	None	None
22050	Capel Croesywaun	251987	359739	II					Excluded	Excluded
22051	Tegannedd, Ty Capel and Sunday School/Vestry	252005	359725	II					Excluded	Excluded
22052	Ty Newydd	252128	360216	II	4.2km to the south of the turbine	A public footpath runs along the access track and to the west of the cottage	This is an isolated cottage set within the post-medieval field system, thought to have originally been built by the early 19th century as a smallholding.	Mature trees to the north of the cottage would block views of the turbine.	None	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
22053	Awel-y-mor	252092	360152	II	4.2km to the south of the turbine	Visible from public road	This cottage was built in the mid-19th century as a smallholding carved out of marginal land. The surrounding landscape has since been fully enclosed and improved and several other dwellings have been built nearby in more recent times.	The turbine would stand on much lower ground to the north and it is likely that trees and a hedgerow to the north of the cottage would block views towards it.	None	None
22054	Gate piers and walls at entrance to Glan Gwna Hall	249910	361833	II	3.3km to the southwest of the turbine	Visible from public road	Situated at the main entrance into the Glan Gwna Hall estate. The walls are still intact. Mature woodland stands to the north, blocking views into the estate.	Mature woodland to the north would block views towards the turbine.	None	None
22055	Glan Gwna Hall	250172	362052	II*	2.9km to the southwest of the turbine	Within a holiday park	This mansion, built in 1893, sits at the heart of a designed garden and parkland landscape. The house faces southwest over lawns and woodland. The surrounding landscape now forms a holiday park complex.	The turbine might be visible from the upper floors on the northern side of the mansion, but would not impact on key views of the house or its essential setting.	Very Low	None
22056	Stable Block at Glan Gwna Hall	250339	362072	II	2.8km to the southwest of the turbine	None	Situated within the estate to the east of Glan Gwna mansion.	Mature trees to the north would block views towards the turbine.	None	None
22058	Courtyard outbuildings and retaining walls to adjacent formal garden area at Glan Gwna Hall	250170	362023	II	3km to the southwest of the turbine	None	Situated within the formal garden area to the southeast of Glan Gwna mansion.	Buildings and trees to the north would block any view of the turbine.	None	None
22059	Terrace and retaining walls at Glan Gwna Hall	250196	362037	II	2.9km to the southwest of the turbine	None	Situated within the formal garden area to the eastern side of Glan Gwna mansion.	Buildings and trees to the north would block any view of the turbine.	None	None
22234	Pant-y-Celyn	255145	362729	II					Excluded	Excluded
22235	Plas Bach	250725	362544	II	3km to the southwest of the turbine	Visible from public road	This lodge was set at the northeastern entrance into the Glan Gwna Hall estate. It remains in use as a dwelling.	Trees to the northeast would block views towards the turbine.	None	None
22244	Capel Tan-y-coed	253751	362575	II	2.6km to the southeast of the turbine	Place of worship	This chapel was built at the roadside in the small settlement of Tanycoed in 1901. It remains in use today.	A house on the opposite side of the road would block views of the proposed turbine. The entrance façade of the chapel is in the north-northeast facing gable end and would not face the turbine.	None	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
22245	Sunday School/Vestry at Capel Tan-y-coed	253743	362564	II	2.6km to the southeast of the turbine	Place of worship	This Sunday School replaced the original chapel, possibly re-using the original building dating to 1890, in 1901. It still stands intact today, next to the 1901 Tanycoed Chapel.	The proposed turbine may be blocked from view by a house on the opposite side of the road to the northwest. The turbine would have no impact on views of this building.	None	None
22247	Pant Afon	252531	362044	II					Excluded	Excluded
22248	Llwyn Coed	255790	361998	II					Excluded	Excluded
22249	Farmbuildings and screen wall at Llwyn Coed	255756	362027	II					Excluded	Excluded
22250	Pen Rallt	254900	362583	II					Excluded	Excluded
22251	Hafod-rhug-isaf	252020	361197	II	3.25km to the south of the turbine		The hafod placename suggests that there may be a connection with the medieval hafod tradition associated with this farm, although the name may simply originate from its location on former hafod lands, not necessarily from any connection with an earlier settlement. The farmhouse dates to the early 17th century, with many original features retained internally, despite later alterations externally, including the addition of extensions to the north and south gable ends. It still stands within the post-medieval field system, which was presumably created out of marginal land in early post-medieval times.	Mature trees to the north of the house would block views towards the turbine.	None	None
22252	Pont-Rhythallt	254466	363763	II					Excluded	Excluded
22255	Walled 'knot' garden at Bryn Bras Castle	254414	362542	II	3.15km to the southeast of the turbine	None	Within the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None
22256	Observatory at Bryn Bras Castle	254521	362584	II	3.15km to the southeast of the turbine	None	Within the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None
22257	Summer house at Bryn Bras Castle	254414	362611	II	3.15km to the southeast of the turbine	None	Within the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None
22258	Pan figure and pool in walled 'knot' garden at Bryn Bras Castle	254432	362592	II	3.15km to the southeast of the turbine	None	Within the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
22259	Gladiator statue (north) at Bryn Bras Castle	254379	362590	II	3.15km to the southeast of the turbine	None	Within the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None
22260	Gladiator statue (south) at Bryn Bras Castle	254380	362579	II	3.15km to the southeast of the turbine	None	Within the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None
22261	Boundary wall, gateways & turrets at Bryn Bras Castle	254409	362482	II	3.15km to the southeast of the turbine	Visible from public road	Surrounding the grounds of Bryn Bras Castle	Trees surrounding this location would block any views towards the turbine.	None	None
22262	Boundary wall, screen and gateway, SW side of Llanrug-Llanberis 'Mountain' Road at Bryn Bras Castle	254403	362476	II	3.15km to the southeast of the turbine	Visible from public road	Forming the southwestern side of a section of the Llanrug to Llanberis mountain road where it passes Bryn Bras Castle.	Trees surrounding this location would block any views towards the turbine.	None	None
22633	Pen y Clogwyn	256413	362874	II	4.75km to the east-southeast of the turbine	None	This small cottage was built within a small field system on rocky, marginal land above the southern end of Llyn Padarn. The cottage was slightly sheltered by a low knoll to its western side. The building appears to now be roofless and ruined.	The knoll to the west of the cottage would block views of the turbine.	None	None
22648	Former Railway Carriage Shed	254840	363633	II					Excluded	Excluded
22660	Pont Penllyn (partly in Llanberis Community)	255950	362354	II					Excluded	Excluded
26514		247914	362646	II					Excluded	Excluded
26515		247906	362650	II					Excluded	Excluded
26516	Maes Glas, including railings & gate	247901	362653	II					Excluded	Excluded
26517	Revetment to terrace on W side of Castle Square	247884	362664	II					Excluded	Excluded
26518	Caffi Maes	247899	362710	II					Excluded	Excluded
26519	Richards Newsagents	247903	362708	II					Excluded	Excluded
26520		247906	362709	II					Excluded	Excluded
26521		247910	362709	II					Excluded	Excluded
26522		247914	362709	II					Excluded	Excluded
26523	Honour Restaurant	247919	362709	II					Excluded	Excluded
26524		247943	362705	II					Excluded	Excluded
26525		247945	362712	II					Excluded	Excluded
26526	Caernarfon War Memorial	247975	362657	II					Excluded	Excluded
26527	Mantell Gwynedd	247818	362808	II					Excluded	Excluded
26528	Ty Glyndwr	247813	362807	II					Excluded	Excluded
26529		247794	362789	II					Excluded	Excluded
26530	Castle Restaurant	247794	362794	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
26531		247820	362717	II					Excluded	Excluded
26532		247826	362716	II					Excluded	Excluded
26533		247833	362722	II					Excluded	Excluded
26534	Haulfre	247743	362863	II					Excluded	Excluded
26535		247797	362872	II					Excluded	Excluded
26536		247824	362907	II					Excluded	Excluded
26537		247823	362903	II					Excluded	Excluded
26538		247823	362899	II					Excluded	Excluded
26539		247823	362894	II					Excluded	Excluded
26540	House at rear of Plas Porth yr Aur (2 High Street)	247730	362805	II					Excluded	Excluded
26541		247837	362828	II					Excluded	Excluded
26542		247850	362830	II					Excluded	Excluded
26543		247760	362808	II					Excluded	Excluded
26544		247979	362803	II					Excluded	Excluded
26545		247993	362611	II					Excluded	Excluded
26546		247994	362606	II					Excluded	Excluded
26547	Office and showroom of former Union Ironworks	248062	362459	II					Excluded	Excluded
26548	Assembly shop at former Union Ironworks	248078	362448	II					Excluded	Excluded
26549		248013	362578	II					Excluded	Excluded
26550		248016	362574	II					Excluded	Excluded
26551		248017	362571	II					Excluded	Excluded
26552		248021	362567	II					Excluded	Excluded
26553		248024	362564	II					Excluded	Excluded
26554		248026	362561	II					Excluded	Excluded
26555		248029	362557	II					Excluded	Excluded
26556		248033	362554	II					Excluded	Excluded from further assessment as not intervisibility and no impact
26557		248037	362552	II					Excluded	Excluded
26558	Siop y Plas	247859	362718	II					Excluded	Excluded
26559	4a Palace Street (including boundary wall to rear yard)	247848	362794	II					Excluded	Excluded
26560	Castle Chambers	247850	362800	II					Excluded	Excluded
26561		247868	362811	II					Excluded	Excluded
26562		247771	362827	II					Excluded	Excluded
26563	Hendre Aur	247775	362827	II					Excluded	Excluded
26564		247823	362885	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
26565		247816	362736	II					Excluded	Excluded
26566		247810	362734	II					Excluded	Excluded
26567		248060	362525	II					Excluded	Excluded
26568		248064	362521	II					Excluded	Excluded
26569	Bryn Helyg	248067	362517	II					Excluded	Excluded
26570		248070	362514	II					Excluded	Excluded
26571		248074	362509	II					Excluded	Excluded
26572		248078	362504	II					Excluded	Excluded
26573		248083	362499	II					Excluded	Excluded
26574		248116	362651	II					Excluded	Excluded
26575	Roberts & Owen Jewellers	248045	362669	II					Excluded	Excluded
26576	NatWest Bank, including railings to basement steps	248013	362671	II					Excluded	Excluded
26577		248149	362627	II					Excluded	Excluded
26578		248152	362624	II					Excluded	Excluded
26579		248180	362615	II					Excluded	Excluded
26580	Castle Pharmacy	247974	362699	II					Excluded	Excluded
26581		247978	362709	II					Excluded	Excluded
26582		247985	362711	II					Excluded	Excluded
26583		247980	362761	II					Excluded	Excluded
26584		247979	362756	II					Excluded	Excluded
26585		247976	362751	II					Excluded	Excluded
26586		247975	362744	II					Excluded	Excluded
26587		247976	362811	II					Excluded	Excluded
26588		247920	362820	II					Excluded	Excluded
26589		247929	362814	II					Excluded	Excluded
26590		247933	362815	II					Excluded	Excluded
26591		247938	362813	II					Excluded	Excluded
26592		247942	362812	II					Excluded	Excluded
26593		247949	362807	II					Excluded	Excluded
26594	Lloyds TSB Bank, including Lloyds Bank Chambers	247946	362833	II					Excluded	Excluded
26595	Rhydalun House	248000	362834	II					Excluded	Excluded
26596		247999	362840	II					Excluded	Excluded
26597		248000	362845	II					Excluded	Excluded
26598	Caernarfon Royal Town Council Offices, including 10 Bangor Street	248018	362850	II*					Excluded	Excluded
26599		248287	362656	II					Excluded	Excluded
26600		248292	362657	II					Excluded	Excluded
26601		248295	362659	II					Excluded	Excluded
26602		248298	362661	II					Excluded	Excluded
26603		248303	362662	II					Excluded	Excluded
26604	The Carlton	247999	362865	II					Excluded	Excluded
26605		248000	362870	II					Excluded	Excluded
26606		248000	362875	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
26607		248000	362880	II					Excluded	Excluded
26608		248001	362886	II					Excluded	Excluded
26609		248002	362891	II					Excluded	Excluded
26610		247978	362884	II					Excluded	Excluded
26611	Drawbridge on S side of Victoria Dock	247855	363063	II					Excluded	Excluded
26612	Crane at Victoria Dock	247885	363177	II					Excluded	Excluded
26613	Victoria Dock walls	247787	363129	II					Excluded	Excluded
26614	Pont Seiont	248295	361640	II					Excluded	Excluded
26615	Seiont Mill Road bridge	248350	361620	II					Excluded	Excluded
26616	The Anchorage (also known as Ynys Tudur)	248346	363468	II					Excluded	Excluded
26617	Caernarfon Youth and Community Centre	248134	362761	II					Excluded	Excluded
26618	South portal of former railway tunnel beneath Castle Square	247985	362589	II					Excluded	Excluded
26619	Schoolmaster's house at former British School	248136	362747	II					Excluded	Excluded
26620	The Eagles Hotel	248237	362533	II					Excluded	Excluded
26621	Garreg Wen	248249	362559	II					Excluded	Excluded
26622		248254	362556	II					Excluded	Excluded
26623		248258	362553	II					Excluded	Excluded
26624	Bron Eifion	248267	362265	II					Excluded	Excluded
26625	Boer War Memorial	248222	363045	II					Excluded	Excluded
26626	Promenade Wall, including steps and piers	247722	362858	II					Excluded	Excluded
26627	Tunnel beneath Bangor Road at Plas Ty Coch	249048	364323	II					Excluded	Excluded
26628	Swyddfa'r Cyngor	247730	362748	II					Excluded	Excluded
26629	Quay walls at Slate Quay	247688	362657	II					Excluded	Excluded
26630	Milestone on E side of A487	248363	361162	II					Excluded	Excluded
26631		247811	362739	II					Excluded	Excluded
26632	Isfryn	247745	362872	II					Excluded	Excluded
26633	Victoria House	247746	362880	II					Excluded	Excluded
26634	Caer Mena Including Forecourt Railings	247748	362890	II					Excluded	Excluded
26635	Tanycoed	248257	362615	II					Excluded	Excluded
26636	Gates and gate piers at entrance to Uxbridge Square	248234	362564	II					Excluded	Excluded
26637	Former warehouse on Balaclava Road	247911	363046	II					Excluded	Excluded
26638	Former warehouse at Victoria Dock	247886	363066	II					Excluded	Excluded
26639	Arfon Oceaneering	247877	363061	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
3682	Glasgoed Hall	254418	364455	II	2.5km to the east of the turbine	A footpath passes to the west of the house	This house was originally built in the 17th century. It was modified and extended in subsequent times and has recently been refurbished. It is now the farmhouse to a working farmstead, with the farmyard and outbuildings located to the south. The holding now has a caravan park to the west of the house.	The proposed turbine is likely to be visible in the distance but a caravan park already exists immediately in front of the house, compromising its setting. The turbine would cause a minimal visual impact.	Very Low	None
3687	Prysgol	251490	361674	II	2.8km to the south-southwest of the turbine	A footpath passes to the north of the house	This house originated in the 16th century, but on lands of the Faenol estate.. In the late 17th century it was used as a dowager house for the estate. It has been farmhouse in more recent centuries and now stands to the south of a collection of modern agricultural sheds.	The house is aligned roughly north to south with its main aspect being to the west. The turbine would stand on lower ground to the north, beyond the farm sheds at the northern side of the yard at Prysgol. These sheds would therefore block views of the turbine.	None	None
3688	Plas Glan-yr-Afon	250407	359830	II*					Excluded	Excluded
3804	Bryn Bras Castle	254347	362579	II*	3km to the southeast of the turbine	Partially visible from public roads	Bryn Bras is known to have existed as a substantial farmhouse by the mid-18th century and to have been enhanced as a mock-castle during the mid-19th century.	Mature conifers and Leylandiis have been planted around the garden boundary to create a secluded and private environment, which would block any views of the turbine from the house. The only possible views of the turbine are likely to come from the ornamental towers at the eastern end of the house.	Very Low	None
3811	Barn/Cowhouse at Plas Glan-yr-Afon	250393	359787	II					Excluded	Excluded
3812	Wern	250361	361169	II*	3.6km to the southwest of the turbine	None	This large farmhouse stands to the east of its associated farm buildings, within a large garden which is bordered by mature woodland to the north and west and pasture to the south and east.	Mature woodland to the north of the house would block views towards the turbine.	None	None
3814	Caernarfon Castle	247796	362683	I					Excluded	Excluded
3815	Caernarfon Town Wall	247931	362532	I					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
3817	Summer House to NE of Coed Helen	247596	362391	II	4.75km to the southwest of the turbine	Visible from public road	This monument stands on a prominent hill to the south of Caernarfon.	The turbine is likely to be visible in the distance, beyond Caernarfon town, and would only cause a minimal visual impact on this monument. It would not impact on views of the monument or its essential setting.	Very Low	None
3818	Aber Ferry House	247593	362616	II					Excluded	Excluded
3819	Plas Ty Coch	248992	364319	II					Excluded	Excluded
3821		247977	362889	II					Excluded	Excluded
3822	Capel Pendref	248019	362948	II*					Excluded	Excluded
3823	Tanybont Arch, including former lock-up to SE	247909	362823	II*					Excluded	Excluded
3824		247930	362886	II					Excluded	Excluded
3825		247985	362800	II					Excluded	Excluded
3826		247978	362807	II					Excluded	Excluded
3827	Police Station, including forecourt railings and gate piers	247708	362695	I					Excluded	Excluded
3828	County Court (former County Hall)	247731	362704	I					Excluded	Excluded
3829		247767	362709	II					Excluded	Excluded
3830	Oriel Pendeitsh	247782	362710	II					Excluded	Excluded
3831	Craft Cymru, including 17 Castle Street	247812	362719	II					Excluded	Excluded
3832	Palace Vaults	247844	362723	II*					Excluded	Excluded
3833	Melin Brynkir Woollen Mill	247894	362711	II					Excluded	Excluded
3834	The Morgan Lloyd Public House	247926	362709	II					Excluded	Excluded
3835	Macsen Restaurant	247932	362706	II					Excluded	Excluded
3836		247939	362705	II					Excluded	Excluded
3837		248004	362665	II					Excluded	Excluded
3838	HSBC Bank, including forecourt balustrade	247997	362660	II					Excluded	Excluded
3840		247935	362635	II					Excluded	Excluded
3841	Castle Hotel, including railings & gate	247925	362643	II					Excluded	Excluded
3842	Statue of Sir Hugh Owen	247921	362677	II					Excluded	Excluded
3843	Statue of David Lloyd George	247892	362662	II					Excluded	Excluded
3844		247814	362800	II					Excluded	Excluded
3845		247818	362790	II					Excluded	Excluded
3846	Boundary wall in front of 5 Castle Street	247808	362776	II					Excluded	Excluded
3847		247796	362806	II					Excluded	Excluded
3848		247795	362798	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
3849		247793	362779	II					Excluded	Excluded
3850	Ebenezer Methodist Church	248056	362626	II					Excluded	Excluded
3851	Gates, gate piers and railings to forecourt of Ebenezer Methodist Church	248033	362606	II					Excluded	Excluded
3852		248072	362541	II					Excluded	Excluded
3853		247761	362836	II					Excluded	Excluded
3854	Cilgwyn	247743	362832	II					Excluded	Excluded
3855	Yr Aelwyd	247737	362842	II					Excluded	Excluded
3856		247742	362855	II					Excluded	Excluded
3857	Church of St Mary	247755	362948	I					Excluded	Excluded
3858		248167	362552	II					Excluded	Excluded
3859	Capel Caersalem	248139	362567	II					Excluded	Excluded
3860	Gates, gate piers & railings to forecourt of Capel Caersalem	248150	362554	II					Excluded	Excluded
3861	Royal Welsh Yacht Club (also known as Porth yr Aur)	247711	362817	I					Excluded	Excluded
3862	Plas Bowman	247763	362827	II					Excluded	Excluded
3864		247788	362827	II					Excluded	Excluded
3865	Caernarfon Royal Town Conservative Club	247800	362830	II					Excluded	Excluded
3866	Tafarn y Werin	247831	362829	II					Excluded	Excluded
3867		247845	362829	II					Excluded	Excluded
3868		247856	362833	II					Excluded	Excluded
3869	East Gate, incorporating 3 Hole-in-the-Wall Street	247901	362823	II*					Excluded	Excluded
3870		247755	362808	II					Excluded	Excluded
3871	Hafod Aur	247774	362809	II					Excluded	Excluded
3872		247781	362809	II					Excluded	Excluded
3873	Ty Sidan	247787	362809	II*					Excluded	Excluded
3874	Castle House	247793	362811	II*					Excluded	Excluded
3875		247812	362812	II					Excluded	Excluded
3876		247844	362811	II					Excluded	Excluded
3877		247874	362809	II					Excluded	Excluded
3878		247883	362809	II*					Excluded	Excluded
3879	Windmill Florists (incorporating 2 Hole-in-the-Wall Street)	247891	362813	II					Excluded	Excluded
3880	Bar Llewelyn	247885	362758	II					Excluded	Excluded
3881	Church of St Peblig	248750	362290	I					Excluded	Excluded
3882	Church House	248698	362286	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
3883	Gates, gate piers and railings at the NW entrance to the church of St Peblig	248706	362295	II					Excluded	Excluded
3885	Church Hall	248260	362647	II					Excluded	Excluded
3886		248283	362655	II					Excluded	Excluded
3887	The Barracks	248460	362714	II					Excluded	Excluded
3888	Gwellyn	248572	362803	II					Excluded	Excluded
3889		247824	362911	II					Excluded	Excluded
3890	Tower House	247835	362915	II					Excluded	Excluded
3891		247800	362845	II					Excluded	Excluded
3892		247795	362856	II					Excluded	Excluded
3893		247796	362868	II					Excluded	Excluded
3894		247796	362862	II					Excluded	Excluded
3895		247799	362880	II					Excluded	Excluded
3896	Cae Llenor	248202	362491	II					Excluded	Excluded
3897	Bryn Eisteddfod, incorporating Bryn Menai	248203	362473	II					Excluded	Excluded
3898	Coed y Glyn	248207	362455	II					Excluded	Excluded
3899	Bron y Gaer	248209	362437	II					Excluded	Excluded
3900	Celtic Royal Hotel	248094	363026	II					Excluded	Excluded
3901	Marbryn	248109	363061	II					Excluded	Excluded
3902	Cae Synamon	248632	363854	II					Excluded	Excluded
3904	Bronceris	248762	363987	II					Excluded	Excluded
3905	Black Boy Inn	247848	362866	II					Excluded	Excluded
3906		247872	362837	II					Excluded	Excluded
3907	The Old Market	247878	362795	II					Excluded	Excluded
3908	Palace Cafe	247862	362713	II					Excluded	Excluded
3909	Days Gone By Antiques	247850	362780	II*					Excluded	Excluded
3910		247850	362772	II					Excluded	Excluded
3911		247850	362766	II					Excluded	Excluded
3912	Llys Llewelyn	247847	362747	II*					Excluded	Excluded
3913	Oriel Arfon	247847	362740	II					Excluded	Excluded
3914		247847	362736	II					Excluded	Excluded
3915		247847	362732	II					Excluded	Excluded
3916		248184	362611	II					Excluded	Excluded
3917	Hendre Gaerog	248260	362420	II					Excluded	Excluded
3918	Boundary wall, railings and gate to Hendre Gaerog	248241	362417	II					Excluded	Excluded
3919	Former Carnarvon Grammar and Collegiate School, including gate, gate pier, and basement steps	248234	362334	II					Excluded	Excluded
3921	Paradox Nightclub (former Bonded Warehouse)	247965	362615	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
3922		247988	362614	II					Excluded	Excluded
3923		247996	362600	II					Excluded	Excluded
3924	Courtenay's Bistro	247999	362596	II					Excluded	Excluded
3925	The Albert Inn	248008	362582	II					Excluded	Excluded
3926		248041	362549	II					Excluded	Excluded
3927		248057	362528	II					Excluded	Excluded
3928		248049	362534	II					Excluded	Excluded
3929		248053	362530	II					Excluded	Excluded
3930	The Anglesey Hotel Including Courtyard Wall to Rear	247698	362711	II					Excluded	Excluded
3931	Castle Gift Shop	247890	362645	II					Excluded	Excluded
3932	Caernarfon Harbour Trust Offices	247907	362608	II*					Excluded	Excluded
3933	Bron Hendre	248264	362309	II					Excluded	Excluded
3934	Sarn Helen	248268	362276	II					Excluded	Excluded
3935	Bryn Helen	248231	362185	II					Excluded	Excluded
3936	Llwyn Helen	248230	362170	II					Excluded	Excluded
3938	Frondeg	248183	362934	II					Excluded	Excluded
3939	Ael y Bryn	248186	362917	II					Excluded	Excluded
3940	The Fountain	248124	362668	II					Excluded	Excluded
4138	Former Christchurch (now Yr Hwylfan)	248085	363128	II					Excluded	Excluded
4141	Chimney Stack at South Dock	252424	367560	II					Excluded	Excluded
4142	No.1 Bodarborth	252772	367793	II					Excluded	Excluded
4143	Capel Engedi, including forecourt gates and railings	248123	362589	II					Excluded	Excluded
4146		247887	362829	II					Excluded	Excluded
4147	Telephone Call-box at N end of bridge over disused railway (01248 670285)	253161	368095	II					Excluded	Excluded
4148	Telephone Call-box outside The Crown public house	247813	362839	II					Excluded	Excluded
4152	Capel Salem, including forecourt gates and railings	248169	362683	II					Excluded	Excluded
4162		247983	362769	II					Excluded	Excluded
4199	Main Entrance to Vaynol Park, including flanking approach walls,	254123	368765	II					Excluded	Excluded
4200	Grand Lodge at Main Entrance to Vaynol Park	254110	368767	II					Excluded	Excluded
4202	Wern Gogas	253963	368660	II					Excluded	Excluded

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
4204	Folly tower at Coed Twr	252763	368934	II	4.6km to the north-northeast of the turbine	On National Trust land	This folly was originally built in the mid-18th century, on the highest point of the Faenol estate demesne as a viewpoint. In modern times the surround land has become wooded and the tower, which is only two storeys high, is now completely surrounded by much taller mature deciduous trees and has no views out over the landscape.	Surrounding woodland would block any view of the proposed turbine.	None	None
5440	Porthamel	250626	367968	II	3.75km to the north-northwest of the turbine	A footpath passes to the south of the house	This small country house originally dates to the 16th century but has undergone extensions and modifications and the present house is of mid-19th century character. It was originally built on the site of a hamlet, in a sheltered hollow and the gardens and estate land around the house have been developed to include both wooded parcels and open pasture fields. The house faces south-southeast, across a lawned area, which has been created in a gap between two wooded parcels, to give views towards the Menai Straits and the mainland, including the Snowdonian range in the distance.	The proposed turbine would be visible to the south-southeast, from the front of the house. There is some intervening high ground on the mainland, which may partially screen views of the turbine. The turbine would not impact on views of the house or its setting within its group of estate buildings and gardens.	Low	Low
5442	Tai Cochion	247632	365531	II	4.4km to the west-northwest of the turbine	None	This farmhouse originates to the 17th century and has undergone many changes over the centuries, including a significant fire in the late 19th century. The present house is the result of significant modern modification. It remains in use as a dwelling house.	The turbine is likely to be visible in the distance but would not impact on key views of this house or its essential setting within its grounds.	Low	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
5538	St. Nidan's Church (Old Church)	249495	366903	II*	3.45km to the northwest of the turbine	A footpath passes the church	This former parish church stand within a small churchyard, surrounded by mature deciduous trees. The church was partly demolished in 1844 and thereafter was used as a mortuary chapel. It stands within the Llanidan Estate and is conserved by its present owners.	Mature trees surrounding the building would block views of the proposed turbine.	None	None
5539	Church of St. Nidan (new church)	248940	367420	II	4.2km to the northwest of the turbine	Visible from public road	This church was built in 1839 within a large rectilinear churchyard, alongside the main road between Brynsiencyn and Llanfair P.G. Unusually for an Anglican church, it is aligned northeast to southwest, not east to west.	The turbine may be visible to the southeast but would not impact on key views of the church or its churchyard setting. An electricity pole already stands on the line of sight to the southwest of the church.	Very Low	None
5540	Llanidan Hall	249493	366874	II*	3.4km to the northwest of the turbine	A footpath passes to the north of the house	This minor country house may be of medieval origin and its cellars are said to be of possible 15th century date. It may have had an early relationship with Llanidan church, to the north and is said to have been the focus of a grange of an Augustine Priory in medieval times. It now stands within its own private, landscaped gardens, with formal gardens to the west and a lawn and ha-ha to the south. The house and gardens are encircled by mature deciduous trees, with a parkland running down to the Menai Straits to the southwest.	Mature trees to the southwest would block views of the proposed turbine, which would have no impact on key views of the house or its essential setting within its gardens.	None	None
5541	Walls of Enclosed Garden to West of Llanidan Hall	249379	366819	II	3.45km to the northwest of the turbine	Occasional open days allow for public access	This large and irregular walled-garden is associated with Llanidan House and is thought to have been created in the 17th century, with the wall built with stones taken from the buildings of an Augustine grange which predated the Hall. The walled garden area is portrayed as being partially wooded on late 19th century Ordnance Survey maps, but is now managed as a formal garden once again.	Mature trees to the southeast would block views towards the proposed turbine.	None	None

Listed Building number	Site Name	East	North	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact ¹	Level of Impact on Setting ²
5542	Ha-Ha to South of Llanidan House	249513	366798	II	3.35km to the northwest of the turbine	None	This ha-ha was created in the mid-18th century along the southern edge of the lawn to the south of Llanidan Hall, marking the boundary between the lawns and the parkland beyond.	The proposed turbine maybe visible from parts of the ha-ha but would not impact on views of it or its setting within the estate landscape.	Very Low	None
87487	Stone Bridge over Afon Cadnant	249154	362927	II	3.1km to the west-southwest of the turbine	On a public footpath	This small stone bridge dates to the mid-18th century and crosses the Afon Cadnant. It was built for pedestrians and horses.	Rising ground and hedgerows to the northeast will probably block views of the turbine.	None	None

¹ Where level of indirect visual impact is given as Excluded, this means the sites were assessed for intervisibility, using ZTV, contour data, elevation profiles, site visit and aerial photographs, and Excluded

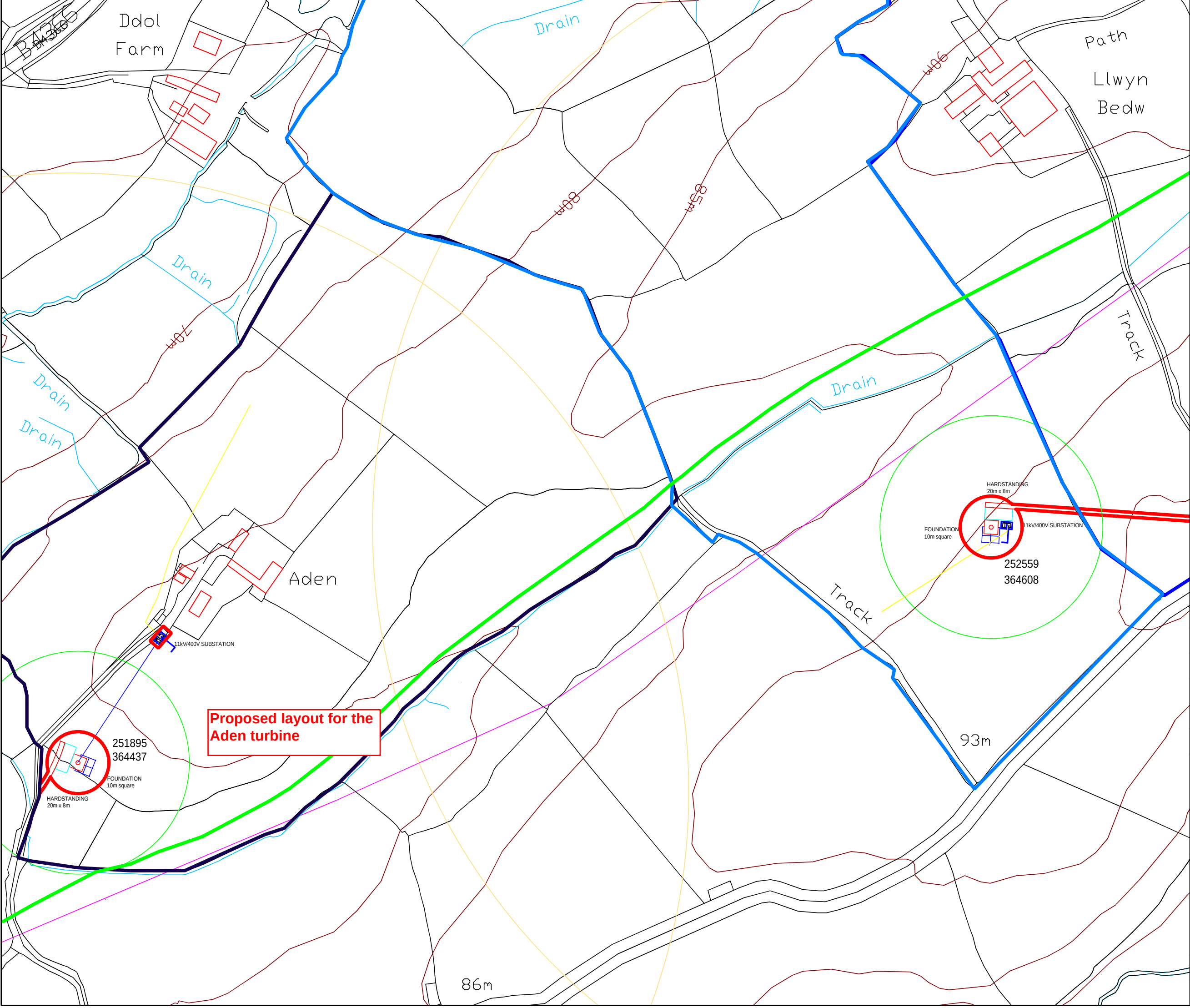
² Where level of impact on setting is given as Excluded, this means the sites were assessed for intervisibility, using ZTV, contour data, elevation profiles, site visit and aerial photographs, and Excluded

Appendix E: Parks and Gardens within 2km to 5km

Reference Number	Site Name	NGR	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
GD38	Caernarfon: Morfa Common Park	SH4845261614	II				Excluded from further assessment as no intervisibility and no impact on setting	Excluded	Excluded
GD41	Bryn Bras Castle	SH5455162434	II	2.9km to the southeast of the turbine	Partially visible from public roads	This parkland is focused on a prominent hill to the west of Cwmyglo, which rises to just over 200m above sea level and is largely wooded or covered in scrub and heath. The summit is a viewpoint. The house and small garden area lie at the western end of the park, but are enclosed by a high hedged boundary which screens views out of the garden and gives a secluded character to the property.	The significant views as defined by Cadw are gained from the summit at the eastern end of the park, mainly looking north and east, with some views towards the northwest possible. The turbine would be set on lower ground and may not be visible from the viewpoint due to the woodland which covers much of the estate parkland.	None	None
GD46	Llanidan	SH4953166719	II*	3.1km to the northwest	There is access to the churchyard	This Park & Garden is situated on the Anglesey side of the Menai Straits and dates originally to the 18th century. The house and gardens have limited views towards the Menai and Snowdonia beyond as mature trees to the southeast of the garden divide it from the parkland and also screen the views. Views across the Menai to Snowdonia are possible from the parkland to the southeast of the garden, which would appear to be the significant view.	The turbine would be over 3km from the parkland but would be visible within the significant view as defined by Cadw towards Snowdonia. The parkland is relatively low-lying and higher ground on the opposite side of the Menai may well partially block views of the turbine to the extent that only the top of the turbine would be visible.	Low-Moderate	Low

Reference Number	Site Name	NGR	Grade	Distance from turbine	Public Access	Setting	Comment on Impact	Level of Indirect Visual Impact	Level of Impact on Setting
GD48	Plas Newydd	SH5202169570	I	3.5km to the south of the turbine	Visible from public roads.	Situated on the western side of the Menai Strait looking across to the mainland. The house and associated buildings lie to the centre of the parkland. The parkland is broken up with woodland and plantations.	The significant views as defined by Cadw are to the northeast, east and south-southeast from the area of the mansion. The turbine lies to the south, in which direction woodland and plantations within the estate would block any views.	Very Low	None
GD52	Vaynol	SH5357169310	I	3.7km to the north-northeast of the turbine	Partly owned by the National Trust.	This parkland is situated on the eastern, mainland side of the Menai Strait, with its significant views looking to Anglesey on the opposite side of the waterway. The estate landscape includes gardens around the mansion and a large parkland area which is broken up by plantations and parcels of woodland.	The significant views from this parkland are focused westwards towards Anglesey. Most of the estate would have no view of the turbine.	None	None

Appendix F: Plan of Development from Client



North

Gas Lines

Transmission Line

Exclusion from Power & Gas Lines

Shadow Flicker 10 Diameters

Turbine Private Connection back to PoC

Planning Application Boundary

Hardstanding & Laydown Area

Substation & LV Cabling

Land Ownership Boundary (Roberts)

Land Ownership Boundary (Pierce)

Land Ownership Boundary (Morgan)

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ORIGINAL ISSUE	DRW	CR	03.07.15	1	
REVISION	DRN	CHK	DATE	REV NO	CN NO
SCALE:	1:2500				
CHECKED: COLIN RISBRIDGER					
APPROVED:					
DRAWING TITLE: Roberts/Morgan/Pierce Project Pre-planning advice					
SHEET TITLE: Draft Site Plan					
WINDFLOW UK LTD 9 Sutton Close, Cookham Berks, SL6 9QU					
www.windflow.co.nz					
DRAWING NO:				REVISION	
SHEET: 10F1				ORIGINAL SIZE A3	
				2	