

Pantyffynnon, Trelech, Carmarthenshire Historic Environment Appraisal



Report by: Trysor

For: DC21

December 2013



Pantyffynnon, Trelech, Carmarthenshire Historic Environment Appraisal

By

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Trysor Project No. 2013/339

For: DC21

December 2013

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Cover photograph: From the approximate location of the proposed turbine.

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DATE 19th December 2013

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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Contents

1. Summary	1
2. Copyright	1
3. Introduction	1
4. The Proposed Development	2
5. Methodology	3
6. Pantyffynnon: Historical Overview	6
7. Pantyffynnon: Proposed Turbine Site	8
8. Impact Assessment	8
9. Historic Landscape Aspects Relating to the Pantyffynnon Proposed Turbine	11
10. Conclusion	14
11. Reporting	14
12. References	15
Appendix A: Pantyffynnon Farm Impacts	16
Appendix B: Descriptions of Newly Recorded Sites	21
Appendix C: Site Appraisals within the Revised Study Area	25

1. Summary

1.1 This historic environment appraisal has been undertaken by Trysor to examine likely impacts on the historic environment from a proposed single wind turbine at Panttyffynnon near Trelech, Carmarthenshire.

1.2 The appraisal has looked at all known historic assets within an area measuring 2km in radius, focused on SN2634831188, the location of the proposed turbine sites, consulting the regional Historic Environment Record and the National Monuments Record, as well as examining historic maps. A field visit was also undertaken to examine the location of the turbine and record previously unknown historic assets.

1.3 The appraisal area was revised after the field visit to exclude areas where there could be no intervisibility or impact on setting.

1.4 The appraisal shows that there is no ground surface evidence of buried archaeological features at or near the proposed development site. There is also no evidence from maps or aerial photographs suggesting the presence of buried features.

1.5 The appraisal shows that the only direct, physical impact to a known historic asset would be experienced by a 19th century field boundary (ID number 20) as the cable trench passes through it, but this is assessed as Very Low and could be avoided altogether by carrying the cable under bank rather than through it.

1.6 There are 3 monuments which have Scheduled Ancient Monument status within the revised appraisal area. One of these would be exposed to a Low indirect, visual impact and the other two a Very Low indirect, visual impact by the development. A further six non-designated historic assets would be exposed to a Very Low indirect, visual impact.

1.7 On the basis of this appraisal no significant direct or indirect, visual impact would be caused to the historic environment by the proposed turbine and no archaeological mitigation is thought necessary for the proposed 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 Charles Ashton, of Ashton Smith Associates, Belvedere House, 2 Victoria Avenue, Harrogate, North Yorkshire, HG1 1EL, commissioned Trysor heritage consultants, on behalf of DC21, to write an Historic Environment Appraisal as part of documentation for a planning application for a single turbine at Panttyffynnon, Trelech, Carmarthen, SA33 6SF.

3.2 Dyfed Archaeological Trust Heritage Management section have written a generic brief for such appraisals (DAT HM, Undated). These appraisals are intended to be a rapid appraisal of the readily available historic environment information including a site visit. The purpose of the appraisal is to inform interested parties as to whether any further assessment or evaluation would be required as part of the planning process. Trysor prepared a specification based on the brief (Trysor, 2013) which was approved as fit for purpose by Dyfed Archaeological Trust Heritage Management section.

4. The proposed development

4.1 It is proposed that a single turbine with a height of 30 metres to the hub and 45 metres to the upright blade tip will be located in a single field parcel at SN2634831188 on land near Pantyffynnon, Trelech, Carmarthen, Dyfed, SA33 6SF, see Figure 1.

4.2 The turbine will require a foundation trench measuring 9.6 metres by 9.6 metres and 2.5 metres deep, with approximately a cable trench running for about 600 metres to the farm buildings to the east. Access will be via the existing farm track and a temporary trackway.

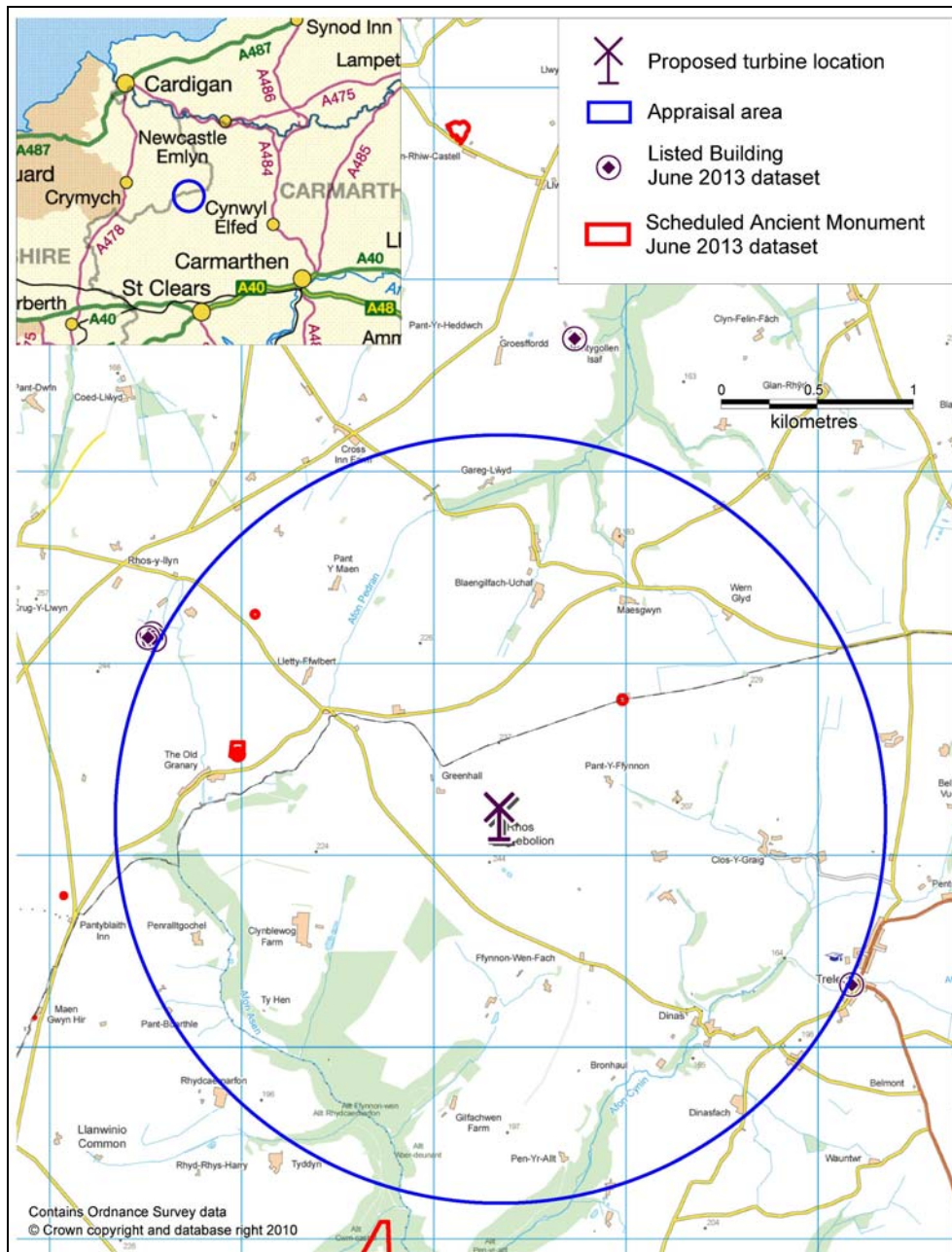


Figure 1: Location of the proposed turbine, showing the 2km radius appraisal area.

5. Methodology

5.1 A study area of 2km radius circle centred on SN2634831188, the location of the proposed turbine, was chosen for the initial appraisal of sites. This area was revised to exclude four areas within river valleys where there was no intervisibility or possibility of impact on setting of historic assets, see Figure 2.

5.2 The HER enquiry for the 2km radius area yielded 30 records.

5.3 Within the 30 records, twelve records lay within the excluded areas and were removed. This left 18 HER records in the appraisal dataset. Three of these were Scheduled Ancient Monuments but there were no Listed Buildings.

5.4 A site visit was made to Pantyffynnon and the surrounding area on November 15th, 2013 to rapidly appraise if there were any visible archaeological features within the area directly affected by the turbine proposal and also the wider landscape context of the proposed development. The field was under pasture at the time.

5.5 The aerial photographs on Google Earth, dating to 2005, 2006 and 2009, were used to inform the appraisal.

5.6 Historic mapping was consulted. The maps used included 19th and 20th century 1:2500 scale Ordnance Survey mapping and the Trelech a'r Betws parish tithe map of 1844 and accompanying tithe schedule of 1845.

5.7 All information gathered during the desktop appraisal and fieldwork was entered into a bespoke database in Access 2003 format to create an appraisal dataset. The dataset is the source of the material output in this report, including the GIS mapping which illustrates the location of sites in the area, and the tables and appendices which provide detailed information on the sites within the study area.

5.8 At the end of a rapid appraisal of the data, the information from the site visit and historic map search, the final appraisal dataset contained 21 records. As stated in 5.3, 12 HER records were discarded as they were fell within the excluded area.

5.8.1 Three new records were created in the project database by Trysor. These were for the farmstead at Pantyffynnon (ID numbers 19) and its field system (ID number 21) and a field boundary (ID number 20) within that.

5.9 Each of the records in the final appraisal 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 site was determined and scored in accordance with the categories adopted by the Welsh Archaeological Trusts i.e. Nationally Important, Regionally Important, Locally Important, Minor and Features Needing Further Investigation (Unknown), see Figure 3. Full details of this exercise are given in Appendix C.

5.10 As this exercise is an appraisal of the study area, not a full desk-based historic environment assessment, no site descriptions have been included in the appraisal dataset or this printed report, apart from newly recorded features (See Appendix B).

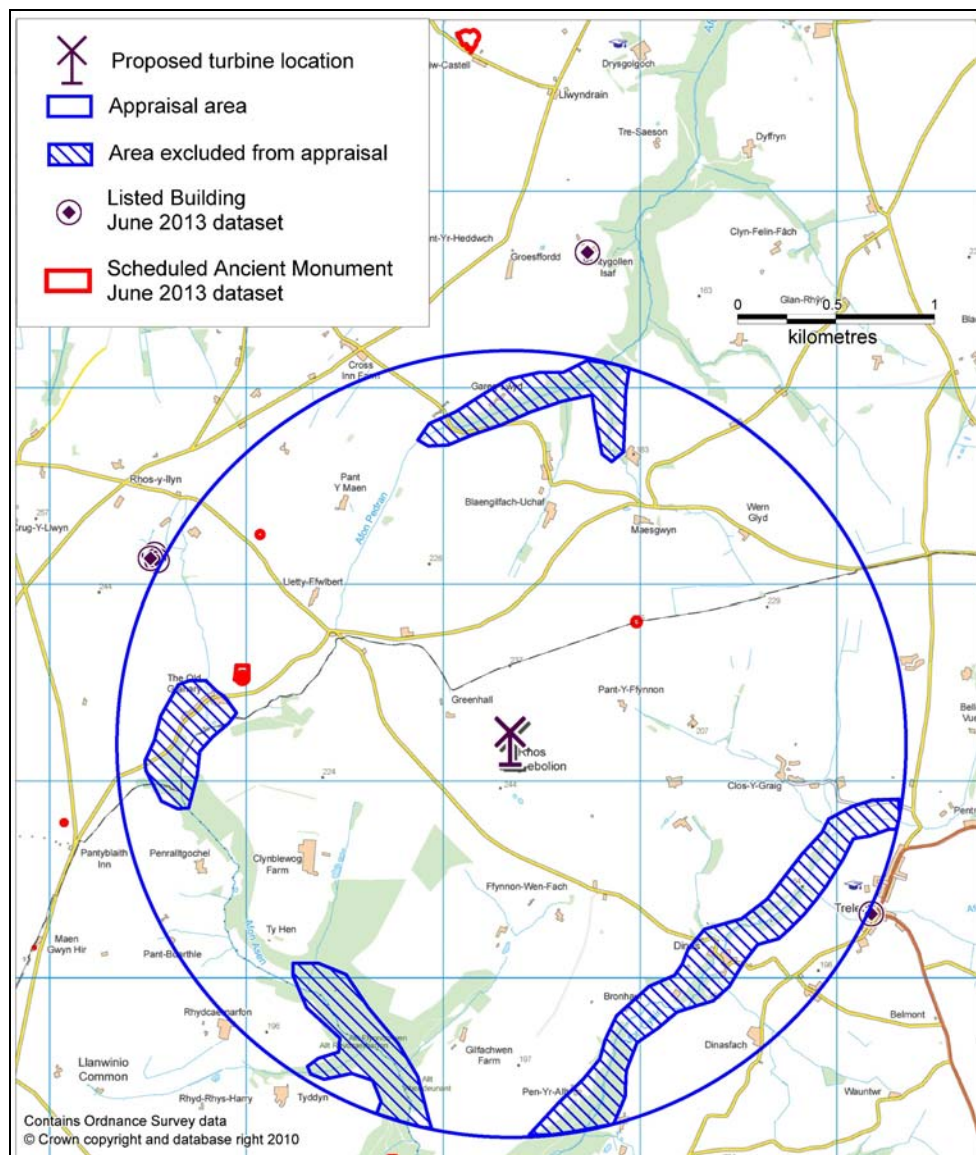


Figure 2: Showing the area excluded from the appraisal area as there would be no intervisibility with the proposed turbine.

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.

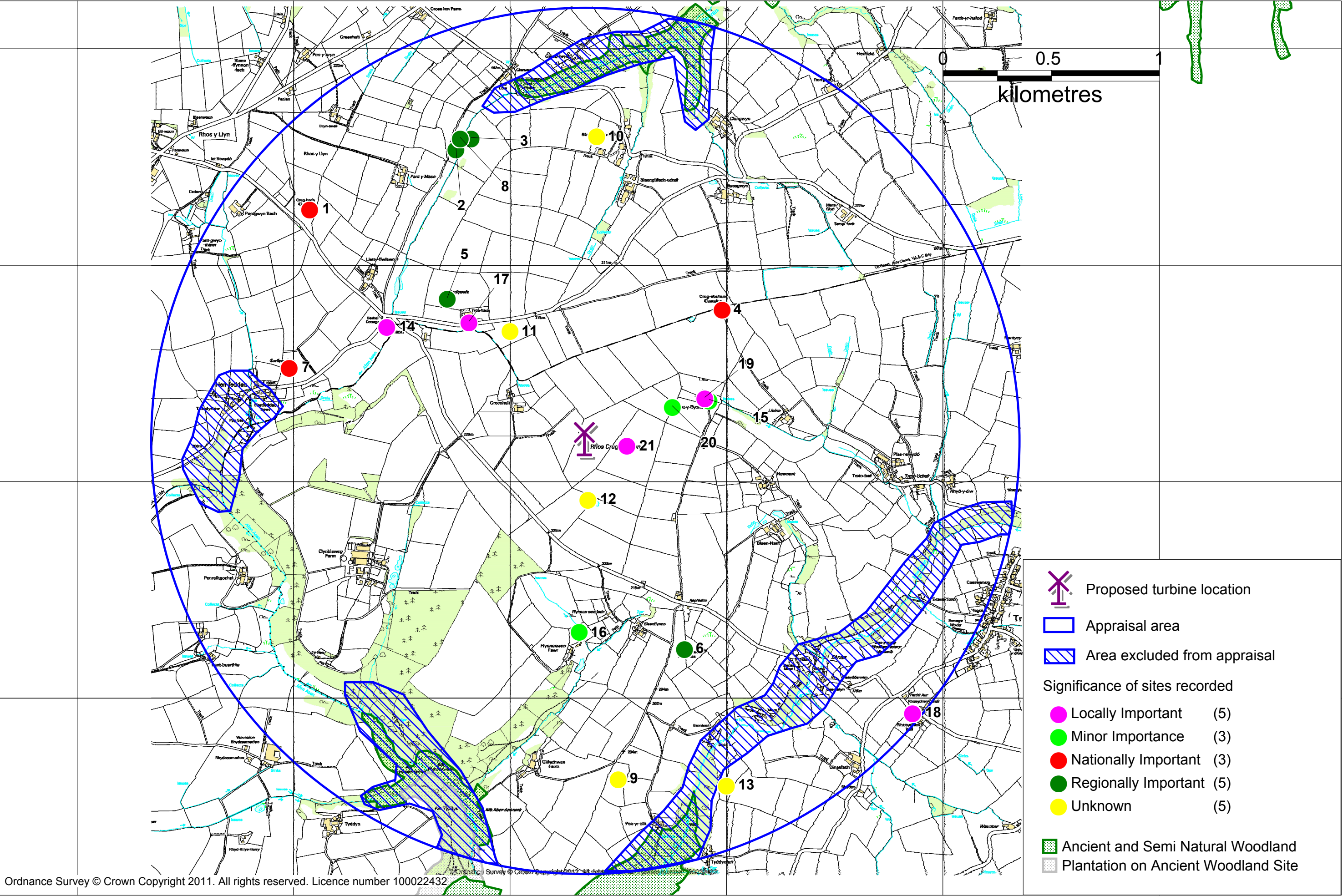


Figure 3: The 2km appraisal area showing significance of sites, labelled with Project ID number

6. Pantyffynnon: Historical overview

6.1 The farmstead of Pantyffynnon is not shown on the 1810 Cardigan map sheet of the Ordnance Survey Original Surveyors Drawing. The modern field in which the proposed turbine would stand was part of the unenclosed Crugebolion Common. The 1831 1" to 1 mile scale map shows a similar picture.

6.2 On tithe map of 1844, the common was still unenclosed but separate parallel strips were owned and used by different people, see Figure 4. Land parcel 1458, *Rhos*, in which the proposed turbine would stand, was owned and used by Thomas Morris of Pen y Rallt which lies 1.7 km to the west southwest.

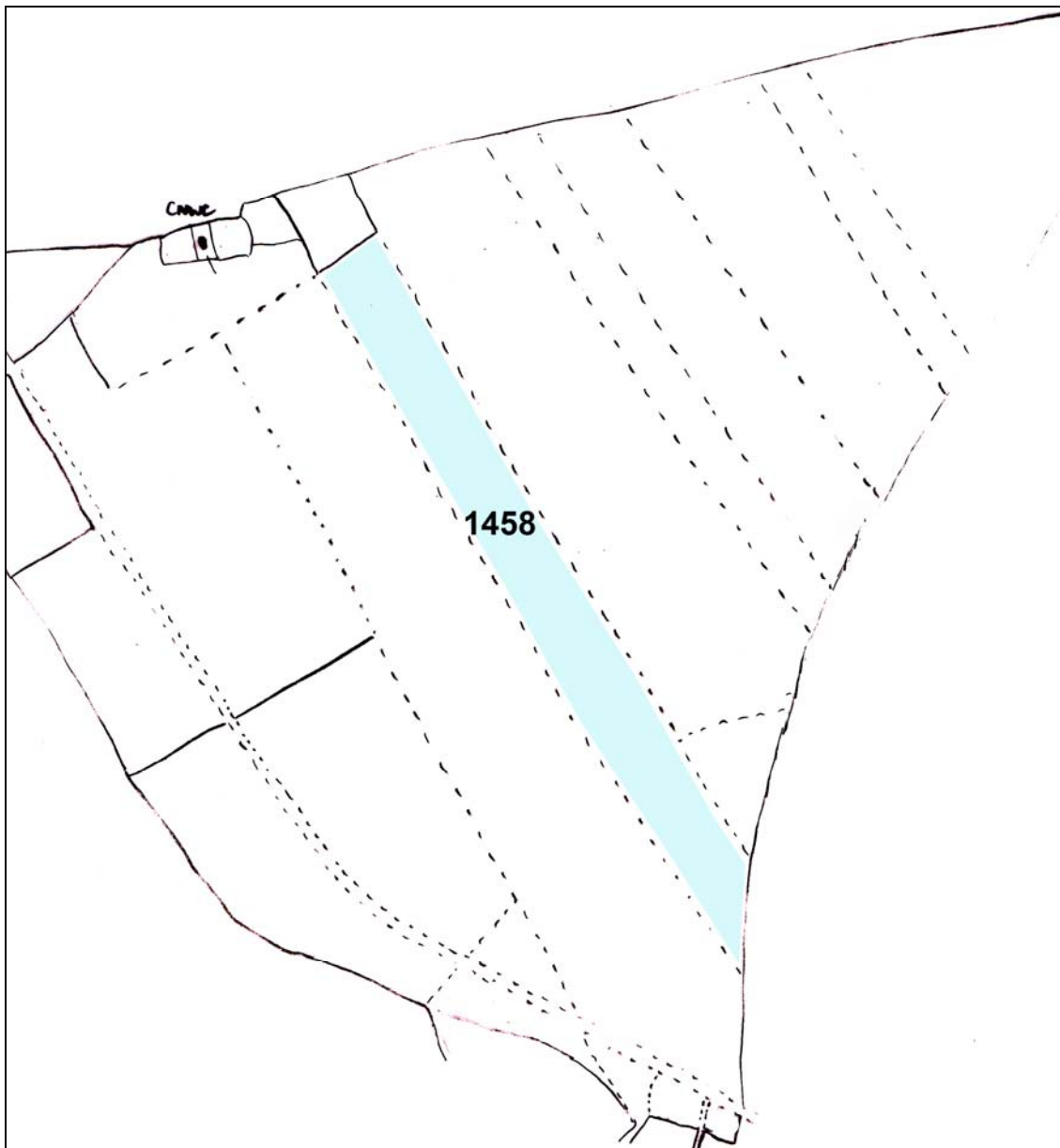


Figure 4: Rhos Crugebolion as shown on the Trelech a'r Betws parish tithe map of 1844, with the strip where the proposed turbine would stand shaded in blue.

6.3 Pantyffynnon is not mentioned on any census returns for the parish of Trelech a'r Betws before 1891. This indicates that the dwelling was first erected after 1881. In the 1891 census, one Thomas Jones, a 48 year old carpenter and farmer, lived here with his wife and four children. Although Thomas and the children were all born in Trelech parish, his wife Mary was born in Upper Canada, North America, although she was a monoglot Welsh speaker. In 1901, Thomas lived only with his daughter Sarah at Pantyffynnon and was recorded as a widower. By 1911, the most recent available census, one Anna Davies farmed Pantyffynnon, living with her daughter, Sarah, who was a dressmaker.

6.4 The 1890 1:2500 Ordnance Survey map shows Pantyffynnon for the first time, carved out of part of Rhos Crugebolion. The house and one outbuilding lie to the northeast of 3 rectangular fields, but the rest of the common was still intact and unenclosed.

6.5 The 1907 and 1964 1:2500 Ordnance Survey maps show a very similar pattern to that shown in 1890.

6.6 On the 1980 1:2500 Ordnance Survey map, the field system across the common, as it exists today, was in place. The three rectangular fields to the southwest of the house had been amalgamated into one field.

6.7 During the site visit in December 2013, the 19th century fields to the southwest of the house were seen to be defined by an earthwork bank with a hedge on top and wire fencing. The rest of the former common was enclosed by post and wire fences.

7. Pantyffynnon: Proposed turbine site

7.1 The proposed single turbine at Pantyffynnon is to be located at SN2634831188 in a pasture field, just over 600 metres to the west of the farm buildings at Pantyffynnon. The proposed cable trench will run back towards the farm buildings where it will connect to an existing electricity supply.

7.2 When the farm and its environs were visited in November 2013, an assessment was made of the intervisibility of key monuments in the local landscape with the proposed turbine site. This assessment was undertaken on a dry day and in good light.

8. Impact Assessment

8.1 Within the revised area a total of 21 sites were recorded in the appraisal database.

8.2 The Direct and Indirect impact on each 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 A but a summary is tabulated in Table 1 below and illustrated in Figure 5.

8.3 As Table 1 and Appendix A show, no recorded historic assets within the area of the appraisal were determined to be exposed to any significant impact from the proposed turbine development. (Details of the appraisal for direct and indirect impact for each of the sites in Table 1 can be found in Appendix A).

8.4 An examination of the proposed development site identified no evidence of surface material of archaeological interest. The land was under pasture with very little exposure of the underlying soil surface.

8.5 The cable trench will run east towards the farm buildings. It will pass through two post and wire fences and a late 19th century boundary bank (ID number 21)

Table 1: Impact on sites within the appraisal area around Panttyffynnon proposed turbine site

ID Number	Site Name	Site Type	Level of Impact
4	CRUG EBOLION	ROUND BARROW	Low
1	CRUG BACH	ROUND BARROW	Very Low
5	FRON HAUL	SCOOPED SETTLEMENT?; DEFENDED ENCLOSURE?	Very Low
6	CRUG MAWR	ROUND BARROW	Very Low
7	CAER HEN FEDDAU	SCOOPED SETTLEMENT?; DEFENDED ENCLOSURE?; RING BARROW?	Very Low
12	RHOS CRUGEBOLION	POND	Very Low
17	FRON-HAUL	COTTAGE	Very Low
19	PANTYFFYNNON	FARMSTEAD	Very Low
20	PANTYFFYNNON	FIELD BOUNDARY	Very Low
21	PANTYFFYNNON	FIELD SYSTEM	Very Low
2	PANT Y MAEN	ROUND BARROW	None
3	BLAENGILFACH TUMULUS	ROUND BARROW	None
8	PANT-Y-MAEN HOARD; GLANCYCH HOARD	HOARD	None
9	GILFACH WEN	DEFENDED ENCLOSURE	None
10	CAE'R MYNACH	MONASTIC LAND?	None
11	PARC Y BEDDAU	CEMETERY?	None
13	PARC Y DOMMEN	ROUND BARROW?;MOTTE?	None
14	CAPEL BETHEL	CHAPEL	None
15	PANT Y FFYNNON	NATURAL FEATURE?	None
16	FFYNNON WEN	WELL	None
18	RHOSYCHEN	DWELLING	None

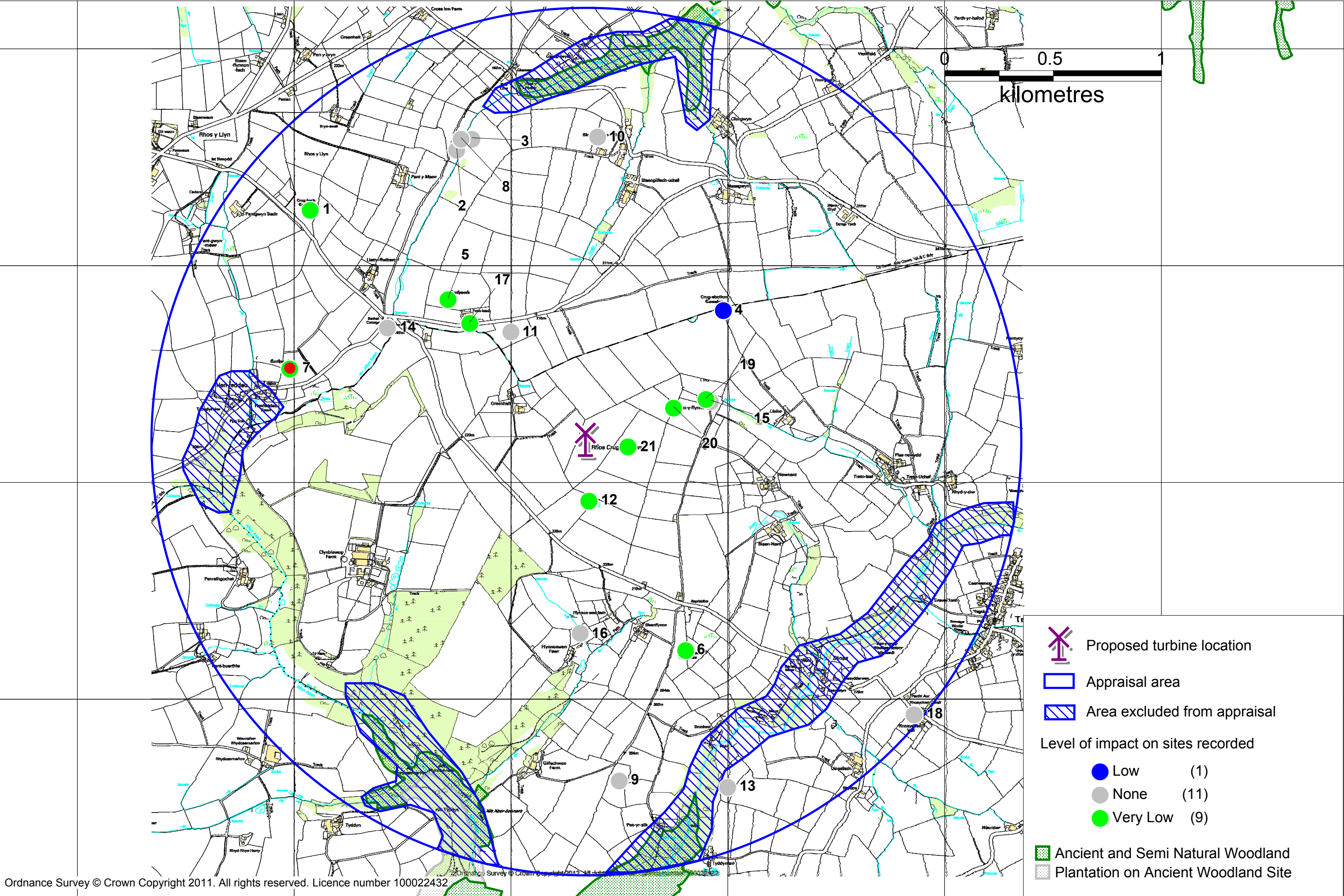


Figure 5: The 2km appraisal area showing the level of impact on sites recorded, labelled with Project ID number

9. Historic Landscape Aspects Relating to the Pantyffynnon Proposed Turbine

9.1 The following aspects of the historic environment around the Pantyffynnon proposed turbine site have also been considered by this appraisal, as required by in the generic brief used by the Dyfed Archaeological Trust Heritage Management Section (DAT, HM, Undated);

a) Scheduled Ancient Monuments in their settings

There are 3 Scheduled Ancient Monuments within the revised appraisal area, see Table 2.

ID Number	Site Name	Site Type	Level of Impact
4	CRUG EBOLION	ROUND BARROW	Low
1	CRUG BACH	ROUND BARROW	Very Low
7	CAER HEN FEDDAU	SCOOPED SETTLEMENT?; DEFENDED ENCLOSURE?; RING BARROW?	Very Low

Table 2: Impacts on Scheduled Ancient Monuments

- The proposed turbine, some 880 metres to the southwest of Crug Ebolion round barrow (CM093, ID number 4), would be intervisible from this site. The turbine would not affect its setting. A post medieval field boundary crosses over the mound and its original setting has been lost.
- Crug Bach round barrow (PE206, ID number 1) would be partially intervisible with the turbine but at a distance of 1.8km and there would have no impact on the setting of the monument.
- Caer Hen Feddau earthworks (PE561, ID number 7) may be intervisible with the turbine but at a distance of 1.4km. The turbine would have no effect on the setting of this monument.

b) Previously Recorded Non-scheduled Ancient Monuments in their settings

Three non-scheduled ancient monuments in the revised appraisal area are thought likely to experience a very low indirect, visual impact. This is due to their being intervisible with the proposed turbine over distance, but in no case would their setting be affected by the development. These sites are listed in Table 3 below.

Potential impacts on Non-scheduled Ancient Monuments are included in Appendix A and Table 3. The significance of Non-scheduled Ancient Monuments is addressed in Appendix C.

ID Number	Site Name	Site Type	Level of Impact
5	FRON HAUL	SCOOPED SETTLEMENT?; DEFENDED ENCLOSURE?	Very Low
6	CRUG MAWR	ROUND BARROW	Very Low
12	RHOS CRUGEBOLION	POND	Very Low

Table 3: Impacts on Non-scheduled Ancient Monuments

c) Newly identified sites of historic importance

Three newly recorded sites of historic importance were noted for this appraisal at or near the turbine site. These were the farmstead at Pantyffynnon (ID number 19), the 19th/20th century field system (ID number 21) and a 19th century field boundary in that field system (ID number 20).

ID Number	Site Name	Site Type	Level of Impact
19	PANTYFFYNNON	FARMSTEAD	Very Low
20	PANTYFFYNNON	FIELD BOUNDARY	Very Low
21	PANTYFFYNNON	FIELD SYSTEM	Very Low

The details of these sites are included in Appendices A, B & C.

d) Listed Buildings in their settings

There are no Listed Buildings within the revised appraisal area.

e) Non-statutory buildings of local importance

No non-statutory buildings of local importance included on a local list were identified as being affected by the proposed development. There is a Very Low impact on one building (ID number 17) which may incorporate the remains of a former cottage.

ID Number	Site Name	Site Type	Level of Impact
17	FRON-HAUL	COTTAGE	Very Low

f) Registered Parks & Gardens and their essential settings.

There are no Registered Parks and Gardens within the revised study area.

g) Registered Historic Landscapes

The development site does not lie in a Registered Historic Landscape.

h) Non-registered Historic Landscapes

There are no identified non-registered Historic Landscapes within the revised study area.

i) LANDMAP and landscape characterisation information

The proposed turbine would stand in the extensive Waunfawr LANDMAP Historic Landscape Aspect Area (CRMRTL42454), which covers a linear area following a broad ridge east to west across western Carmarthenshire. It includes unenclosed land and farms created in the 19th century by parliamentary enclosure. It has a High overall evaluation. The proposed development would not impact on the essential character of the area.

j) Conservation Area

There are no Conservation Areas within the revised study area.

k) Tir Gofal interests or requirements

No Tir Gofal interests were identified.

l) Buried archaeological potential

During the field visit, no physical, visible evidence was noted suggestive of significant buried archaeology at the proposed development site. There is also no documentary, cartographic or aerial photographic evidence of buried archaeology at the proposed location for the turbine.

m) Palaeoenvironmental potential

No palaeoenvironmental potential was identified at the Pantyffynnon turbine site. It is situated in a pasture field which is well-drained.

n) Hedgerows and field patterns

The proposed development would be located in a pasture field, which seems to have become created on Crugebolion Common in its present form in the 20th century. The proposed development will not change the character of the field system.

o) Ancient woodland

No Ancient and Semi-natural Woodland lies within the revised appraisal area.

p) Place-names

There are no significant place-names in close association with the proposed development site.

q) Cumulative impact

Two individual turbines area are visible from the proposed turbine location. One lies 2.45km to the west northwest and the other .65km to the northwest.

m) National Park

The proposed turbine would be 8.3 km to the east of the border of Pembrokeshire Coast National Park.

10. Conclusion

10.1 There would not be a significant impact on the historic environment or on individual historic assets in relation to the proposed development of the proposed wind turbine at Pantyffynnon.

10.2 There would be a Very Low direct impact on one historic asset, a 19th century field boundary bank (ID number 20) as the cable trench would need to pass through it. If the cable was taken under the bank rather than through it then there would no direct impact.

10.3 One historic asset, the scheduled Crugebolion Bronze Age round barrow (ID number 4) would experience a Low indirect visual impact but its setting would not be affected.

10.4 Eight non-designated historic assets would experience a Very Low indirect, visual impact, being partially intervisible with the turbine but usually over a distance and no impact on their setting.

10.5 There is no evidence on the ground, or from other sources, to suggest that there are buried features at the proposed turbine location.

10.6. The Very Low impact on field boundary bank (ID number 20) would be further lessened by taking the cable under the bank rather than through it and ensuring the temporary trackway passes through the existing gateways, or the post and wire fencing.

10.7 The conclusion of this appraisal is that the proposed development would not have a significant impact on the historic environment and that no archaeological mitigation would be necessary.

11. Reporting

11.1 Copies of this report will be provided to the client and the Regional Historic Environment Record.

12. References

12.1 Map sources

Ordnance Survey, 1810, 2" to 1 mile Original Surveyors drawing, Cardigan Sheet

Ordnance Survey, 1831, 1" to 1 Mile

Ordnance Survey, 1890, 1:2500, 1st edition

Ordnance Survey, 1907, 1:2500 2nd edition

Trelech a'r Betws parish tithe map 1844 and schedule, 1845

12.2 Web-based materials

English Heritage, 2011, *The Setting of Heritage Assets*

RCAHMW, Historic Wales Portal

12.3 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

12.4 Unpublished sources

Dyfed Archaeological Trust, Historic Environment Record

DAT HM, Undated, *Generic Brief for the preparation of an historic environment appraisal*

Trysor, 2013, *Specification for an Historic Environment Appraisal at Pantyyffynnon, Trelech, Carmarthenshire*

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Trysor,

December 2013

Appendix A: Pantyffynnon Impacts

ID number: 1 CRUG BACH ROUND BARROW
Is there a Direct Impact: No
Is there an Indirect Impact: Yes Intervisibility
Overall Impact: Very Low The proposed turbine would be just visible some 1.8km to the southeast, but would have no impact on the setting of the monument.

=====

ID number: 2 PANT Y MAEN ROUND BARROW
Is there a Direct Impact: No
Is there an Indirect Impact: No
Overall Impact: None This round barrow has been destroyed and its location has not been accurately recorded.

=====

ID number: 3 BLAENGILFACH TUMULUS ROUND BARROW
Is there a Direct Impact: No
Is there an Indirect Impact: No
Overall Impact: None This round barrow has been destroyed and its location has not been accurately recorded.

=====

ID number: 4 CRUG EBOLION ROUND BARROW
Is there a Direct Impact: No
Is there an Indirect Impact: Yes Intervisibility
Overall Impact: Low The proposed turbine, some 880 metres to the southwest, would be intervisible from this site. The turbine would not affect its setting. A post medieval field boundary crosses over the mound and its original setting has been lost.

=====

ID number: 5 FRON HAUL SCOOPED SETTLEMENT?;DEFENDED ENCLOSURE?
Is there a Direct Impact: No
Is there an Indirect Impact: Yes Intervisibility
Overall Impact: Very Low The proposed turbine would be visible over 850 metres to the southeast, but would not affect the setting of this monument.

=====

ID number: 6 CRUG MAWR ROUND BARROW
Is there a Direct Impact: No
Is there an Indirect Impact: Yes Intervisibility
Overall Impact: Very Low The setting of this barrow has been compromised by the construction of a field boundary bank across the mound. The proposed turbine would be visible 1km to the northwest but would have no impact on the setting of the monument.

=====			
ID number:	7	CAER HEN FEDDAU	SCOOPED SETTLEMENT?;DEFENDED ENCLOSURE?;RING BARROW?
		<i>Is there a Direct Impact:</i>	No
		<i>Is there an Indirect Impact:</i>	Yes Intervisibility
Overall Impact:	Very Low		The proposed wind turbine may be visible from this site, at a distance of 1.4km. It would have no effect on the setting of this monument.
=====			
ID number:	8	PANT-Y-MAEN HOARD; GLANCYCH HOARD	HOARD
		<i>Is there a Direct Impact:</i>	No
		<i>Is there an Indirect Impact:</i>	No
Overall Impact:	None		The hoard findspot would not be intervisible with the proposed turbine and the artefacts were removed from the site in 1859.
=====			
ID number:	9	GILFACH WEN	DEFENDED ENCLOSURE
		<i>Is there a Direct Impact:</i>	No
		<i>Is there an Indirect Impact:</i>	No
Overall Impact:	None		This site is unlikely to be intervisible with the proposed turbine, 1.6km to the north-northwest.
=====			
ID number:	10	CAER MYNACH	MONASTIC LAND?
		<i>Is there a Direct Impact:</i>	No
		<i>Is there an Indirect Impact:</i>	No
Overall Impact:	None		No archaeological features are associated with this record.
=====			
ID number:	11	PARC Y BEDDAU	CEMETERY?
		<i>Is there a Direct Impact:</i>	No
		<i>Is there an Indirect Impact:</i>	No
Overall Impact:	None		No archaeological features have been identified here. Long, low mounds shown on historic OS maps are thought to be of agricultural or natural origin.
=====			

ID number: 12 RHOS CRUGEBOLION POND
Is there a Direct Impact: No
Is there an Indirect Impact: Yes Intervisibility
Overall Impact: Very Low The proposed turbine would be visible from this location but would not affect the setting of the pond.

=====

ID number: 13 PARC Y DOMMEN ROUND BARROW?;MOTTE?
Is there a Direct Impact: No
Is there an Indirect Impact: No
Overall Impact: None No archaeological features have been proven in association with this "domen" (mound) placename.

=====

ID number: 14 CAPEL BETHEL CHAPEL
Is there a Direct Impact: No
Is there an Indirect Impact: No
Overall Impact: None This former chapel has been converted into a dwelling. The proposed turbine would not be visible from the site.

=====

ID number: 15 PANT Y FFYNNON NATURAL FEATURE?
Is there a Direct Impact: No
Is there an Indirect Impact: No
Overall Impact: None The placename refers to a natural spring in a hollow and has no archaeological connotations.

=====

ID number: 16 FFYNNON WEN WELL
Is there a Direct Impact: No
Is there an Indirect Impact: No
Overall Impact: None The placename refers to a natural spring and has no archaeological connotations.

=====

ID number: 17 FRON-HAUL COTTAGE
Is there a Direct Impact: No
Is there an Indirect Impact: Yes Intervisibility
Overall Impact: Very Low The proposed turbine will be visible from here some 730 metres to the southeast but the cottage has been heavily modified and would experience no impact on its setting.

ID number:	18	RHOSYCHEN	DWELLING
	Is there a Direct Impact:	No	
	Is there an Indirect Impact:	No	
Overall Impact:	None		The historic home has long disappeared and been replaced by a post-medieval and modern dwelling and outbuildings.
=====			
ID number:	19	PANTYFFYNNON	FARMSTEAD
	Is there a Direct Impact:	No	
	Is there an Indirect Impact:	Yes	Intervisible
Overall Impact:	Very Low		The turbine would be situated nearly 600 metres to the west southwest of the farm buildings and would only have a very low indirect, visual impact on the farmstead.
=====			
ID number:	20	PANTYFFYNNON	FIELD BOUNDARY
	Is there a Direct Impact:	Yes	The cable trench will pass through this bank
	Is there an Indirect Impact:	No	
Overall Impact:	Very Low		The cable trench will pass through this bank.
=====			
ID number:	21	PANTYFFYNNON	FIELD SYSTEM
	Is there a Direct Impact:	Yes	The turbine will stand within the field system but will not have a direct impact on the things that define it. The cable trench will run for 600m back to the farm buildings and will pass through the 19th century bank (ID number 20)
	Is there an Indirect Impact:	Yes	The turbine will stand with in the 20th century field system
Overall Impact:	Very Low		The turbine will stand within the field system and the cable trench will pass through two post and wire fences and the 19th century earthwork field boundary (ID number 20)
=====			

Appendix B: Written Descriptions Of Newly Recorded Archaeological Sites

Panttyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

ID number: 19 PANTYFFYNNON FARMSTEAD
HER PRN: **NMR NPRN:** 0
NGR: SN2690031390
Broadclass: Agriculture and Subsistence
Period: Post Medieval
Form: Complex **Condition:** Intact
Site Status: **SAM number:** **LB number:** **grade:**
Description: The 1890 1:2500 Ordnance Survey map shows Panttyffynnon for the first time, carved out of part of Rhos Crugebolion. The house and one outbuilding lie to the northeast of 3 rectangular fields, but the rest of the common was still intact and unenclosed. On the 1980 1:2500 Ordnance Survey the field system had been extended across the common.

The first time that Panttyffynnon was mentioned in the census records was in 1891. At this time Thomas Jones (48) a carpenter and farmer lived at Panttyffynnon with his wife Mary (49), a daughter Anna (22) a dressmaker, a son Thomas (18) a carpenters apprentice and two younger sons Owen (12) and Arthur (6).
By 1901 the family had dispersed and Thomas, now 56, was a widower living with Sarah Phillips (29) his daughter who was a charwoman.
A new family lived at Panttyffynnon by 1911, Anna Davies (50) a farmer and her daughter Frances Davies (21), a dressmaker.

Rarity: Common
Reference:
Documentation:
Group Value: Part of the landscape and associated with its field system
Evidential Value: Standing structures
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Locally Important

ID number: 20 PANTYFFYNNON FIELD BOUNDARY
HER PRN: NMR NPRN: 0
NGR: SN2675031350
Broadclass: Monument <By Form>
Period: Post Medieval
Form: Earthwork **Condition:** Near Intact
Site Status: **SAM number:** **LB number:** **grade:**
Description: A field boundary which defines the outer limit of three fields created in the late 19th century. The internal field divisions have been removed in the 20th century. The remaining bank is an earthwork bank, slightly denuded in places with a hedge on top. And a post and wire fence on its outer edge. It is 440 metres in length running from SN2686931395 west northwest to SN2678231427 turning to south southwest to SN2671331275 and then east southeast to SN2688031203 where it meet the farm track.
Rarity: Common
Reference:
Documentation:
Group Value: Part of field system ID number 20
Evidential Value: Earthwork bank, shown on maps
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Minor Importance



Panttyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

ID number: 21 PANTYFFYNNON FIELD SYSTEM

HER PRN: **NMR NPRN:** 0

NGR: SN2654031170

Broadclass: Agriculture and Subsistence

Period: Post Medieval

Form: Topography **Condition:** Intact

Site Status: **SAM number:** **LB number:** **grade:**

Description: The 1890 1:2500 Ordnance Survey map shows Panttyffynnon for the first time, carved out of part of Rhos Crugebolion. The house and one outbuilding lie to the northeast of 3 rectangular fields, but the rest of the common was still intact and unenclosed. The 1907 and 1964 1:2500 Ordnance Survey maps show a very similar pattern to that shown in 1890. On the 1980 1:2500 Ordnance Survey map, the field system across the common, was in place as it exists today. The three rectangular fields to the southwest of the house had been amalgamated into one field. During the site visit in December 2013, the outer boundary of the 19th century fields to the southwest of the house was seen to be defined by an earthwork bank with a hedge on top and wire fencing. The rest of the former common was enclosed by post and wire fences.

Rarity: Common

Reference:

Documentation:

Group Value: Part of the farmstead at Panttyffynnon, and enclosing former common.

Evidential Value: Fencing and boundary bank still exist, shown on mapping

Historical Value: None

Aesthetic Value: None

Communal Value: None

Significance: Locally Important

Appendix C:

Site Appraisals Within Study Area

Pantyyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

ID number: 1 CRUG BACH ROUND BARROW
HER PRN: 1115 **NMR NPRN:** 304099
NGR: SN2507432263 Grid reference taken at centre of site
Broadclass: Religious ritual and funerary
Period: Bronze Age
Form: Earthwork **Condition:** Intact
Site Status: Scheduled Ancient Monument **SAM number:** PE206 **LB number:** **grade:**
Rarity: Not rare
Reference: Regional HER
Documentation:
Group Value: One of several Bronze Age funerary and ritual monuments in the district
Evidential Value: Denuded earthwork
Historical Value: Mentioned in archaeological sources
Aesthetic Value: None
Communal Value: None
Significance: Nationally Important

ID number: 2 PANT Y MAEN ROUND BARROW
HER PRN: 1117 **NMR NPRN:**
NGR: SN2575032540 Grid reference taken at centre of site
Broadclass: Religious ritual and funerary
Period: Bronze Age
Form: Earthwork **Condition:** Near Destroyed
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Not rare
Reference: Regional HER
Documentation:
Group Value: One of several Bronze Age funerary and ritual monuments in the district
Evidential Value: Documentary reference only
Historical Value: Mentioned in archaeological sources
Aesthetic Value: None
Communal Value: None
Significance: Regionally Important

ID number: 3 BLAENGILFACH TUMULUS ROUND BARROW
HER PRN: 1123 **NMR NPRN:**
NGR: SN2582032590 Unknown
Broadclass: Religious ritual and funerary
Period: Bronze Age
Form: Documents **Condition:** Destroyed
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Not rare

Reference: Regional HER

Documentation:

Group Value: None

Evidential Value: Documentary reference only

Historical Value: Mentioned in archaeological sources

Aesthetic Value: None

Communal Value: None

Significance: Regionally Important

ID number: 4 CRUG EBOLION ROUND BARROW

HER PRN: 1124 **NMR NPRN:**

NGR: SN26983180 Grid reference taken at centre of site

Broadclass: Religious ritual and funerary

Period: Bronze Age

Form: Earthwork

Condition: Near Intact

Site Status: Scheduled Ancient Monument

SAM number: CM093 **LB number:** **grade:**

Rarity: Not rare

Reference: Regional HER

Documentation:

Group Value: One of a group of Bronze Age funerary and ritual monuments in the district, including the important Pantymaen Hoard findspot

Evidential Value: Earthwork site

Historical Value: Mentioned in historic and archaeological sources

Aesthetic Value: None

Communal Value: None

Significance: Nationally Important

ID number: 5 FRON HAUL SCOOPED

SETTLEMENT?;DEFE
NDED ENCLOSURE?

HER PRN: 1126 **NMR NPRN:** 304098

NGR: SN25713185 Grid reference taken at centre of site

Broadclass: Domestic;Defence

Period: Iron Age?;Bronze Age?

Form: Earthwork

Condition: Damaged

Site Status:

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

Rarity: Not common

Reference: Regional HER

Documentation:

Group Value: One of several similar sites in the district which have recently been interpreted as possible Bronze Age pond barrows by DAT.

Evidential Value: Very denuded earthwork site which is now best seen on aerial photographs as a cropmark

Pantyyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

Historical Value: Mentioned in archaeological reports
Aesthetic Value: None
Communal Value: None
Significance: Regionally Important

ID number: 6 CRUG MAWR ROUND BARROW
HER PRN: 1129 **NMR NPRN:** 304100
NGR: SN2680630231 Grid reference taken at centre of site
Broadclass: Religious ritual and funerary
Period: Bronze Age
Form: Earthwork **Condition:** Near Intact
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Not rare
Reference: Regional HER
Documentation:
Group Value: One of a group of Bronze Age funerary and ritual monuments in the district, including the important Pantymaen Hoard findspot
Evidential Value: Earthwork overlain by a post-medieval field boundary but otherwise apparently intact
Historical Value: Mentioned in archaeological sources
Aesthetic Value: None
Communal Value: None
Significance: Regionally Important

ID number: 7 CAER HEN FEDDAU SCOOPED
 SETTLEMENT?;DEFE
 NDED
 ENCLOSURE?;RING
 BARROW?
HER PRN: 1228 **NMR NPRN:**
NGR: SN24983153 Grid reference taken at centre of site
Broadclass: Domestic;Defence;Religious ritual and funerary
Period: Roman?;Bronze Age?;Iron Age?
Form: Earthwork **Condition:** Damaged
Site Status: Scheduled Ancient **SAM number:** PE561 **LB number:** **grade:**
 Monument
Rarity: Not common
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Denuded earthwork
Historical Value: Mentioned in archaeological sources
Aesthetic Value: None
Communal Value: None
Significance: Nationally Important

ID number: 8 PANT-Y-MAEN HOARD; HOARD
GLANCYCH HOARD
HER PRN: 1229 **NMR NPRN:**
NGR: SN25773259 Grid reference taken at centre of site
Broadclass: Unassigned
Period: Bronze Age
Form: Finds **Condition:** Moved
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Rare
Reference: Regional HER
Documentation:
Group Value: Two round barrows reportedly stood nearby, the Pantymaen and Blaengilfach Tumuli, but neither survive today
Evidential Value: Documentary references. Some of the artefacts discovered are now kept at Carmarthen museum
Historical Value: Mentioned in archaeological sources
Aesthetic Value: None
Communal Value: None
Significance: Regionally Important

ID number: 9 GILFACH WEN DEFENDED ENCLOSURE
HER PRN: 3945 **NMR NPRN:**
NGR: SN26502963 Grid reference taken at centre of site
Broadclass: Defence
Period: Prehistoric?; Iron Age?
Form: Earthwork **Condition:** Damaged
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Not rare
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Denuded earthwork
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Unknown

ID number: 10 CAE'R MYNACH MONASTIC LAND?
HER PRN: 5210 **NMR NPRN:**
NGR: SN264326 Grid reference taken at centre of site
Broadclass: Unassigned
Period: Medieval?

Pantyyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

Form: Place-name **Condition:** Not Known
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Not rare
Reference: Regional HER
Documentation:
Group Value: Unknown
Evidential Value: Placename only
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Unknown

ID number: 11 PARC Y BEDDAU CEMETERY?

HER PRN: 5211 **NMR NPRN:** 24561

NGR: SN260317 Grid reference taken at centre of site

Broadclass: Religious ritual and funerary

Period: Unknown;Medieval?;Bronze Age?

Form: Place-name **Condition:** Not Known

Site Status: **SAM number:** **LB number:** **grade:**

Rarity: Not rare

Reference: Regional HER

Documentation:

Group Value: None

Evidential Value: Placename only, no archaeological features known

Historical Value: Mentioned in historic sources

Aesthetic Value: None

Communal Value: None

Significance: Unknown

ID number: 12 RHOS CRUGEBOLION POND

HER PRN: 7709 **NMR NPRN:**

NGR: SN26363092 Grid reference taken at centre of site

Broadclass: Water supply and drainage

Period: Post Medieval

Form: Earthwork **Condition:** Near Intact

Site Status: **SAM number:** **LB number:** **grade:**

Rarity: Common

Reference: Regional HER

Documentation:

Group Value: None

Evidential Value: This pond still exists but it is not known if it is natural or man-made

Historical Value: Mentioned in archaeological reports. DAT have suggested this may be a pond barrow, but no evidence is available to support this hypothesis

Aesthetic Value: None
Communal Value: None
Significance: Unknown

ID number: 13 PARC Y DOMMEN ROUND
 BARROW?;MOTTE?
HER PRN: 8057 **NMR NPRN:**
NGR: SN270296 Grid reference taken at centre of site
Broadclass: Religious ritual and funerary
Period: Bronze Age?;Medieval?
Form: Place-name;cropmark **Condition:** Not Known
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Not rare
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Placename only
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Unknown

ID number: 14 CAPEL BETHEL CHAPEL
HER PRN: 15295 **NMR NPRN:** 10984
NGR: SN25433172 Grid reference taken at centre of site
Broadclass: Religious ritual and funerary
Period: Post Medieval
Form: Building **Condition:** Converted
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Common
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Standing building, now converted into a dwelling
Historical Value: None
Aesthetic Value: None
Communal Value: Former place of worship
Significance: Locally Important

ID number: 15 PANT Y FFYNNON NATURAL FEATURE?
HER PRN: 15296 **NMR NPRN:**
NGR: SN26923138 Grid reference taken at centre of site

Broadclass: Water supply and drainage

Period: Post Medieval
Form: Place-name
Condition: Not Known
Site Status:
SAM number: **LB number:** **grade:**
Rarity: Common
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Placename only
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Minor Importance

ID number: 16 FFYNNON WEN WELL

HER PRN: 15298 **NMR NPRN:**

NGR: SN2632030310 Grid reference taken at centre of site

Broadclass: Water supply and drainage

Period: Post Medieval
Form: Place-name
Condition: Not Known
Site Status:
SAM number: **LB number:** **grade:**
Rarity: Common
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Placename only
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Minor Importance

ID number: 17 FRON-HAUL COTTAGE

HER PRN: 22817 **NMR NPRN:**

NGR: SN25813174 Grid reference taken at centre of site

Broadclass: Domestic

Period: Post Medieval
Form: Building
Condition: Damaged
Site Status:
SAM number: **LB number:** **grade:**
Rarity: Common
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: The 19th century cottage may survive but it has been at least partially rebuilt in

Pantyyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

concrete blocks and now has a box profile roof.
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Locally Important

ID number: 18 RHOSYCHEN DWELLING
HER PRN: 25652 **NMR NPRN:**
NGR: SN2786029935 Grid reference taken at centre of site
Broadclass: Domestic
Period: Post Medieval
Form: Building **Condition:** Not Known
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Common
Reference: Regional HER
Documentation:
Group Value: None
Evidential Value: Documentary only
Historical Value: Mentioned in historical sources
Aesthetic Value: None
Communal Value: None
Significance: Locally Important

ID number: 19 PANTYFFYNNON FARMSTEAD
HER PRN: **NMR NPRN:** 0
NGR: SN2690031390
Broadclass: Agriculture and Subsistence
Period: Post Medieval
Form: Complex **Condition:** Intact
Site Status: **SAM number:** **LB number:** **grade:**
Rarity: Common
Reference:
Documentation:
Group Value: Part of the landscape and associated with its field system
Evidential Value: Standing structures
Historical Value: None
Aesthetic Value: None
Communal Value: None
Significance: Locally Important

ID number: 20 PANTYFFYNNON FIELD BOUNDARY
HER PRN: **NMR NPRN:** 0
NGR: SN2675031350

Pantyffynnon, Trelech, Carmarthenshire, Historic Environment Appraisal

Broadclass: Monument <By Form>

Period: Post Medieval

Form: Earthwork

Condition: Near Intact

Site Status:

SAM number:

LB number:

grade:

Rarity: Common

Reference:

Documentation:

Group Value: Part of field system ID number 20

Evidential Value: Earthwork bank, shown on maps

Historical Value: None

Aesthetic Value: None

Communal Value: None

Significance: Minor Importance

ID number: 21 PANTYFFYNNON FIELD SYSTEM

HER PRN: **NMR NPRN:** 0

NGR: SN2654031170

Broadclass: Agriculture and Subsistence

Period: Post Medieval

Form: Topography

Condition: Intact

Site Status:

SAM number:

LB number:

grade:

Rarity: Common

Reference:

Documentation:

Group Value: Part of the farmstead at Pantyffynnon, and enclosing former common.

Evidential Value: Fencing and boundary bank still exist, shown on mapping

Historical Value: None

Aesthetic Value: None

Communal Value: None

Significance: Locally Important