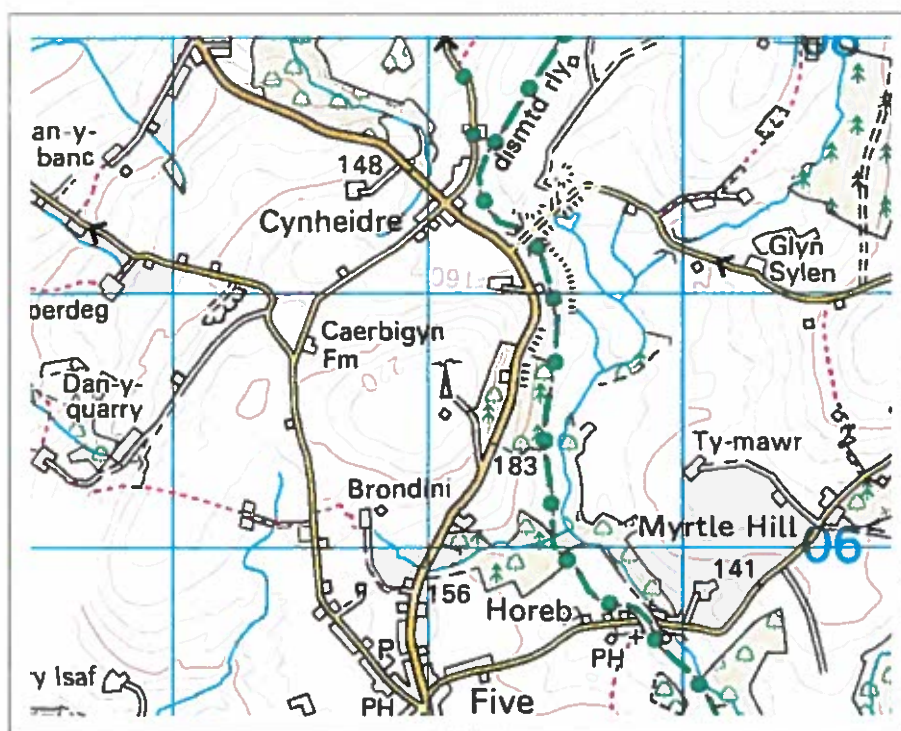


# Archaeology Wales

## Brondini Fach Llanelli

Archaeological Appraisal & Site Visit



By

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Report No. 1139

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# Archaeology Wales

## Brondini Fach Llanelli

### Archaeological Appraisal & Site Visit

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## **Non-Technical Summary**

*An archaeological appraisal was carried out for the site of a proposed wind turbine on land at Brondini Fach, Llanelli, Carmarthenshire. The aim of the work was to carry out a brief assessment of the archaeological potential of the area to enable Dyfed Archaeological Trust to determine whether further archaeological work would be required. The research determined that whilst several features of archaeological importance exist within a 2km radius of the site, none can be shown to exist within the sites immediate vicinity (250m radius). Only one SAM and 6 LBs are located within a 2km radius. The HER data revealed no recorded sites within a 250m radius and the site visit located no further, unrecorded, archaeological features. Cartographic sources revealed industrial features in the surrounding landscape, though not within the immediate vicinity of the site. The archaeological potential of the site is thus considered to be low.*

## **1 Introduction**

### **1.1 Location and scope of work**

- 1.1.1 In June 2013 Archaeology Wales Ltd (AW) was commissioned by David Wills of Quiet Revolution Ltd to carry out a brief archaeological appraisal of a proposed wind turbine site at Brondini Fach, Llanelli, Carmarthenshire (NGR SN 49157 06474– Fig 1). The archaeological work followed recommendations from Dyfed Archaeological Trust – Heritage Management.
- 1.1.2 The appraisal involved a brief assessment of data recorded on the HER held by Dyfed Archaeological Trust, a brief map regression analysis, a brief assessment of aerial photographs held by the RCAHMS and a rapid walkover survey. The work does not include an assessment of the potential significance of the site in the local, regional and national context, nor does it include an assessment of the impact of the proposed turbine on scheduled ancient monuments or listed building in the local area. Both of these lie outside the scope of the current work, but should be assessed as part of a full desk based assessment if considered necessary.

### **1.2 Geology**

- 1.2.1 The underlying solid geology of the area is composed of the south Wales Upper Coal Measures formation. This comprises mudstone, siltstone, sandstone, coal ironstone and ferricrete (Geological Survey Map, 2001).

### **1.3 Site Description**

- 1.3.1 The proposed development site is located 1km to the north of the village of Five Roads and 5km north west of the larger town of Llanelli. The site is located adjacent to a track

- 3.2.1 The 1<sup>st</sup> edition Ordnance Survey map (Fig 4) shows the site in much greater detail than that seen on the previous Tithe Map. The site of the proposed turbine is shown as being located on or close to a field boundary running roughly east to west. The OS map does not correlate well with the tithe map in this area. This is not thought to represent boundary change; rather it highlights inaccuracies within the tithe map.
- 3.2.2 The structure marked on the tithe map to the north is also shown on the OS. It is named Brondini and has further features close to it. These are all of an industrial nature and include kilns, quarries and coal levels.
- 3.2.3 No further features of historic or archaeological significance are depicted on the map.

### **3.3 2<sup>nd</sup> Edition OS 1907**

- 3.3.1 The 2<sup>nd</sup> edition Ordnance Survey map (Fig 5) shows much the same detail as that seen on the slightly earlier 1<sup>st</sup> edition. The proposed turbine site is still shown as overlaying, or being very close to, a field boundary.
- 3.3.2 Further industrial features are shown in the surrounding landscape including old shafts to the east and west and an old slant to the north east.
- 3.3.3 All of the industrial features now carry the prefix 'old', possibly suggesting disuse between 1891 and 1907.
- 3.3.4 No further features of historic or archaeological significance are depicted on the map.

## **4 Aerial Photographs**

- 4.1.1 The assessment area was reasonably well covered by aerial photography dating from 1946 to 1978.
- 4.1.2 The 1946 RAF aerial photograph (Plate 1) shows the proposed turbine site in reasonable clarity. The location of the turbine is on or close to a field boundary, though no features of archaeological interest are visible in the immediate vicinity.
- 4.1.3 The 1978 OS aerial photograph (Plate 2) shows the proposed turbine site in fair clarity. The track shown to the east of the proposed turbine location appears to have been straightened and now leads to a square enclosure to the north of the site. The enclosure contains four regularly spaced structures.
- 4.1.4 No further features of historic or archaeological significance were noted.
- 4.1.5 The 2013 Google Earth satellite image (Plate 3) shows the site in very clear detail. There appears to have been very little change in the landscape surrounding the assessment area apart from the removal of a field boundary in the field to the immediate north of the site.
- 4.1.6 No further features of historic or archaeological significance are depicted.

## 7 Sources

### Data sources

- HER for 250m radius from turbine site (Dyed Archaeological Trust)
- SAM & LB data for 2km radius from turbine site (Cadw)

### Cartographic Sources

- 1840s Tithe Map (NLGW)
- 1891 1<sup>st</sup> Ed OS (NLGW)
- 1907 2<sup>nd</sup> Ed OS (NLGW)

### Aerial Photographs

- 3G/TUD/UK/120 03/04/1946 7012 (RCAHMW)
- 78-009 049 (RCAHMW)
- 2013 Google Earth Satellite image

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## **APPENDIX I:** Figures



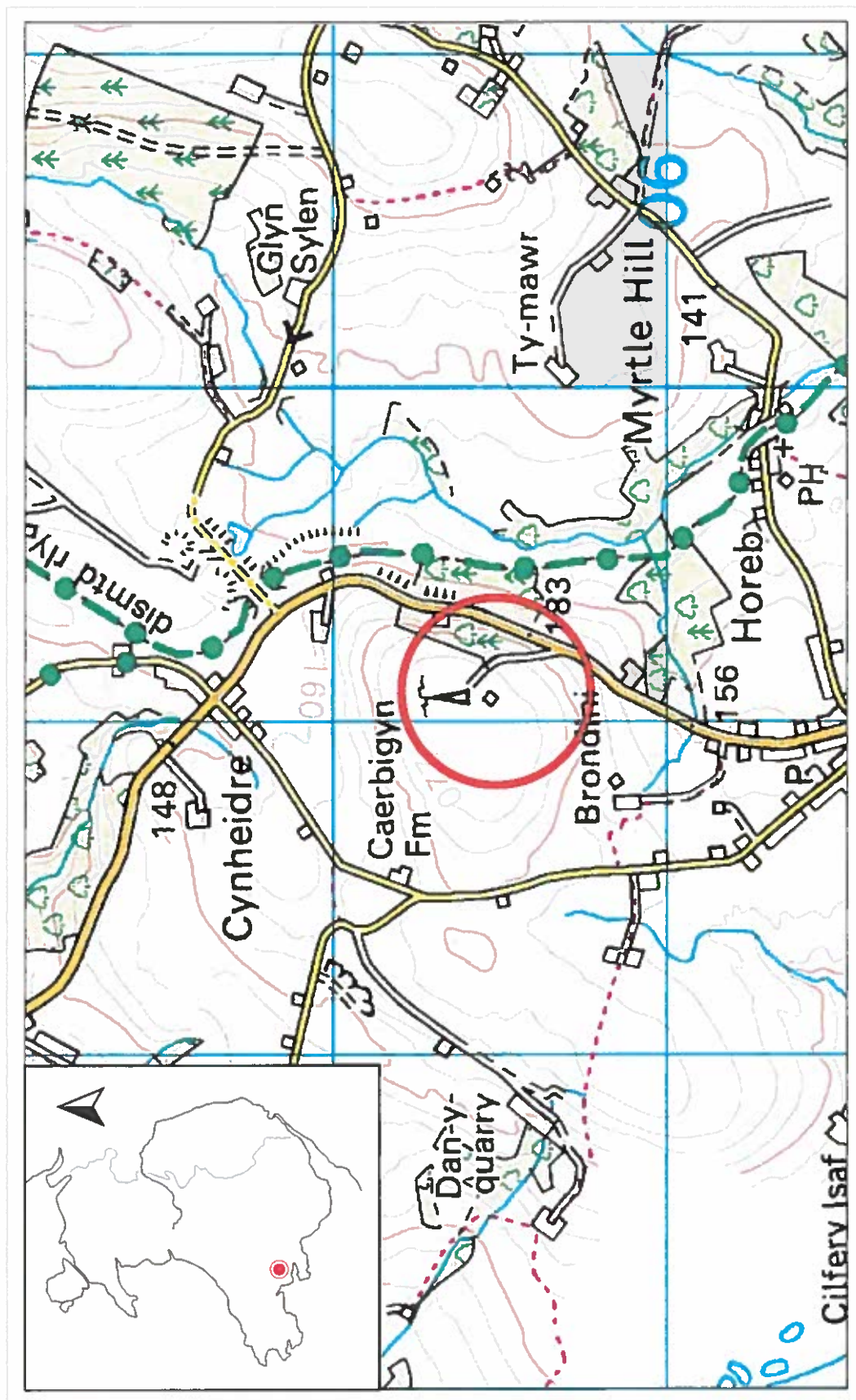


Fig 1: Map showing location of assessment area

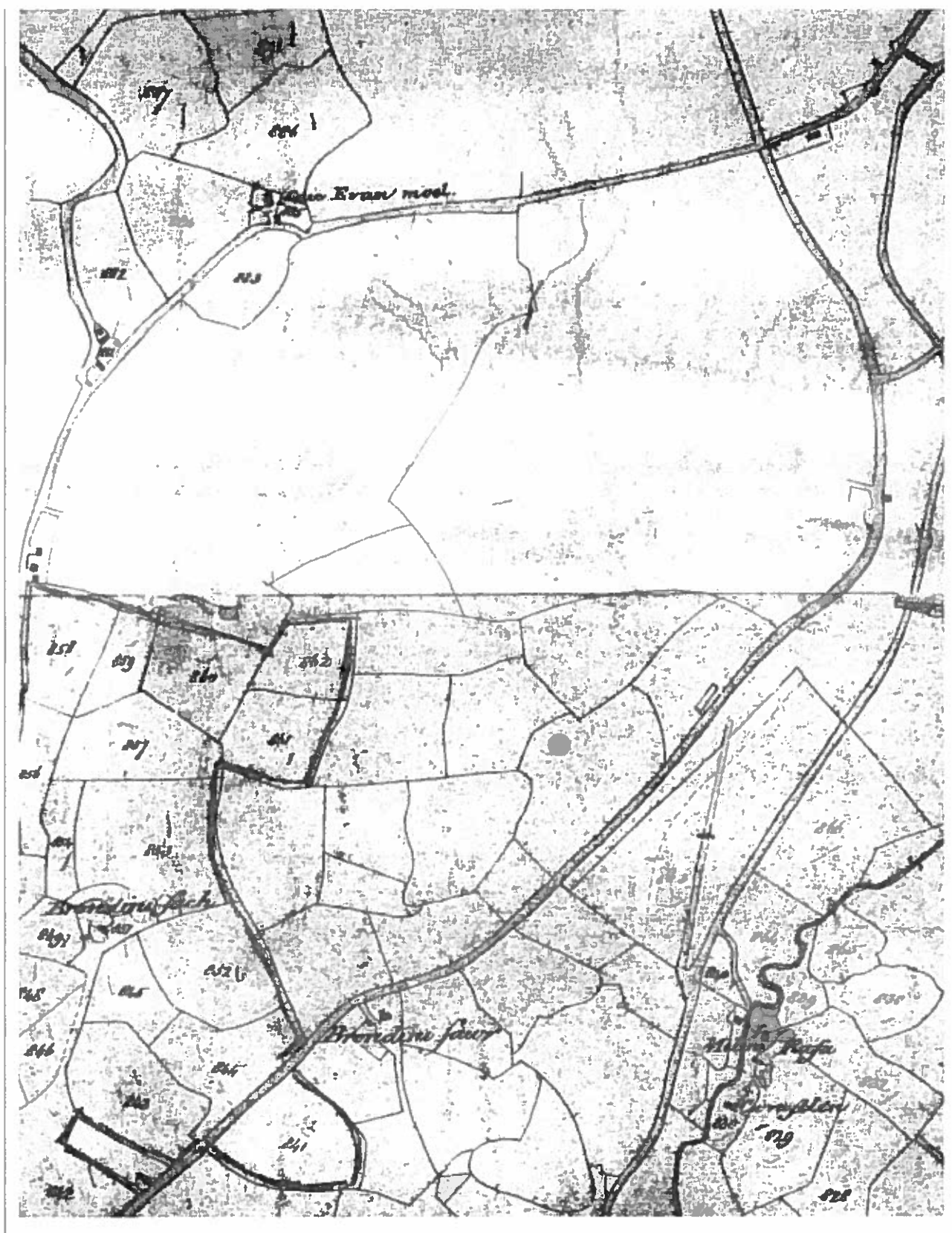


Fig 3: 1840s Tithe map showing location of turbine at Brondini Fach

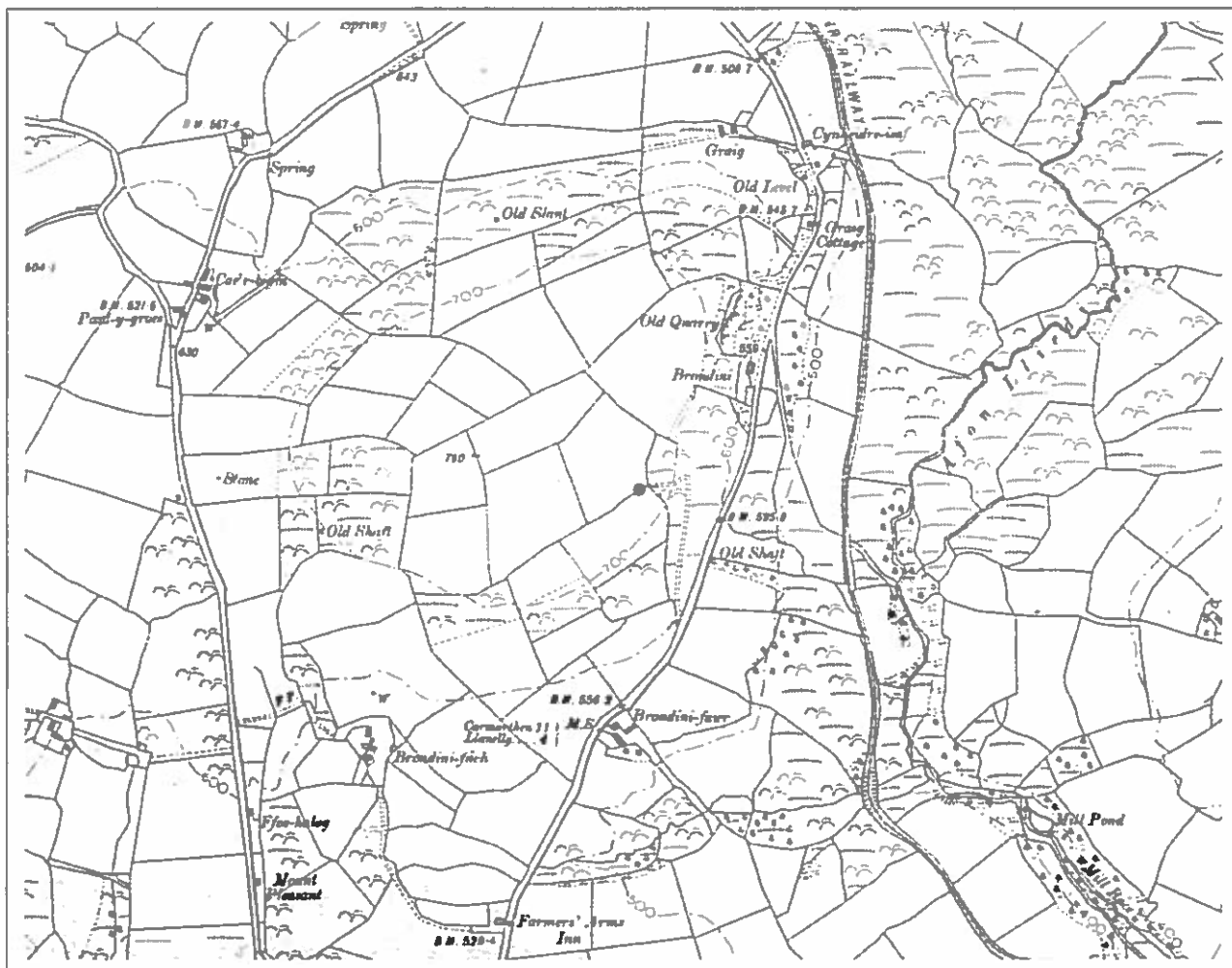


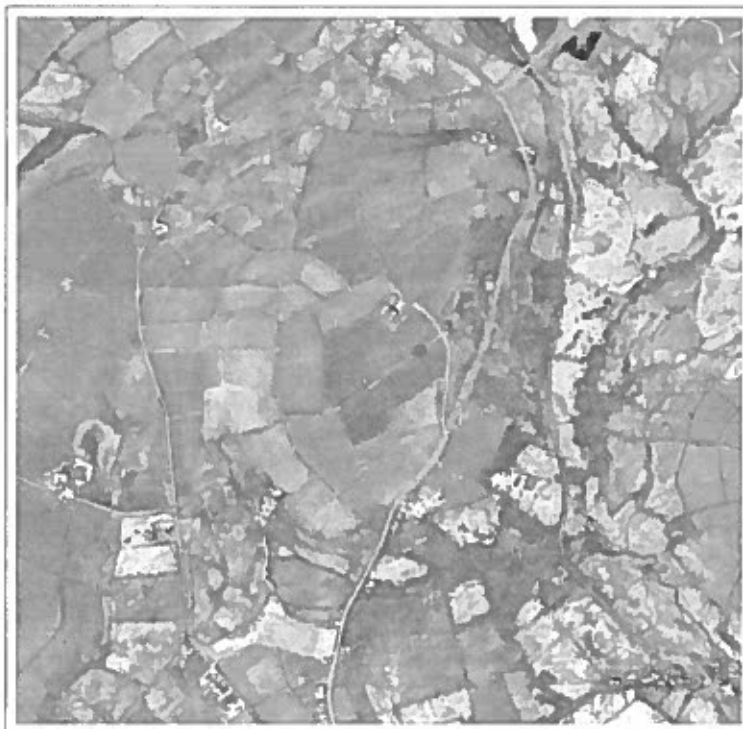
Fig 5: 1907 2nd Edition 6 Inch OS map showing location of turbine at Brondini Fach

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## **APPENDIX II:** **Plates**



**Plate 1: 1946 RAF AP showing location of turbine at Brondini Fach**



**Plate 2: 1978 OS AP showing location of turbine at Brondini Fach**





Plate 4: View of turbine location, Looking north



Plate 5: View of turbine location, Looking south

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## **APPENDIX III: Specification**

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**Written Scheme of Investigation**  
**For Archaeological Appraisal:**  
**Brondini Fach, Llanelli, Carmarthenshire**

**Prepared for:**  
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**Quiet Revolution Ltd**  
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**Blythe Road**  
**London W14 0HN**

**Project No: 2143**

**June 2013**

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defined below, no matter what form or period, including the potential for palaeoenvironmental deposits.

#### **4 Scope of the archaeological work**

The proposed archaeological work relates to the whole of the site, i.e. all of the application area.

The historic environment appraisal is required to assess the whole of the indicated development area and should also consider the potential for historic assets outside this area, the significance of which may extend into the immediate search area. The resulting report will provide information which is sufficiently detailed to protect historic environment interests and allow for informed decisions to be made in the on-going planning processes. This work will include the following key elements which will be carried out in the following order:

- Consult and interrogate the Regional Historic Environment Record including the detailed further information files and other readily available sources of information, including the National Monuments Record and early O.S and Tithe maps, aerial photographs, etc. (Stage 1)
- Make a visit to the site to assess the presence/absence and condition of historic assets and their potential. (Stage 2)
- Archive and Reporting (Stage3)

#### **Searches (Stage 1)**

The report will consider, *inter alia*, the following aspects of the historic environment, which are given as a checklist. Comment on the potential significance of each significant aspect in relation to the proposed development is required. Where further consideration of an aspect may be required this should be clearly stated and reasons given.

#### **ASPECTS**

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

- k) Once completed, a copy of the report should be submitted to the LPA for the consideration of their archaeological advisers. A further copy of the report should be provided to the Dyfed Archaeological Trust for deposition within the Regional Historic Environment Record (HER).
- l) Where appropriate, a summary report on any new significant archaeological discovery should be submitted for publication to a national journal (e.g. Archaeology in Wales) no later than one year after the completion of the work.
- m) Although there may be a period during which client confidentiality should be maintained, the report and the archive should normally be deposited in the appropriate repository not later than six months after completion of the work.

Copies of the report will be sent to Zoe Bevans-Rice (DAT), David Wills (Quiet Revolution Ltd) and for inclusion in the regional HER. Digital copies will be provided in pdf format if required.

#### The site archive

A project archive will be prepared in accordance with the National Monuments Record (Wales) / the guidelines of the Institute for Archaeologists agreed structure and be deposited within an appropriate local museum on completion of site analysis and report production. It will also conform to the guidelines set out in 'Management of Archaeological Projects Two, Appendix 3' (English Heritage 1991).

Arrangements will be made with the local museum before work starts. Wherever the archive is deposited, this information will be relayed to the HER.

Although there may be a period during which client confidentiality will need to be maintained, the report and the archive will be deposited not later than six months after completion of the work.

Other significant digital data generated by the survey (ie AP plots, EDM surveys, CAD drawings, GIS maps, etc) will be presented as part of the report on a CD/DVD. The format of this presented data will be agreed with the curator in advance of its preparation.

## **9 Resources and timetable**

### Standards

The work will be undertaken by AW staff using current best practice.

All work will be undertaken to the standards and guidelines of the IfA.

### Staff

The project will be undertaken by suitably qualified AW staff. Overall management of the project will be undertaken by Chris E Smith (a CV is available upon request).

### Equipment

The project will use existing AW equipment.

### Timetable of archaeological works

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## **APPENDIX IV:** Archive Cover Sheet

## ARCHIVE COVER SHEET

**Brondini Fach, Llanelli**

Site Name:	Brondini
Site Code:	BFL/13/APP
PRN:	-
NPRN:	-
SAM:	-
Other Ref No:	-
NGR:	NGR SN 49157 06474
Site Type:	Green Field
Project Type:	Appraisal
Project Manager:	Chris E Smith
Project Dates:	June-July 2013
Categories Present:	None
Location of Original Archive:	AW
Location of duplicate Archives:	-
Number of Finds Boxes:	-
Location of Finds:	-
Museum Reference:	-
Copyright:	AW
Restrictions to access:	None

