

APPRAISAL OF BASELINE DATA FOR OUTCOME MONITORING

Prepared by Cambria Archaeology
For Cadw



ARCHAEOLEG CAMBRIA ARCHAEOLOGY

RHIF YR ADRODDIAD / REPORT NO. 2006/104

Medi 2006
September 2006

APPRAISAL OF BASELINE DATA FOR OUTCOME MONITORING

Gan / By

K Murphy

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Welsh Assembly Government

ARCHAEOLEG CAMBRIA
Ymddiriedolaeth Archaeolegol Dyfed Cyf
Neuadd y Sir, Stryd Caerfyrddin, Llandeilo, Sir
Gaerfyrddin SA19 6AF
Ffon: Ymholiadau Cyffredinol 01558 823121
Adran Rheoli Treftadaeth 01558 823131
Ffacs: 01558 823133
Ebost: cambria@cambria.org.uk
Gwefan: www.cambria.org.uk

CAMBRIA ARCHAEOLOGY
Dyfed Archaeological Trust Limited
The Shire Hall, Carmarthen Street, Llandeilo,
Carmarthenshire SA19 6AF
Tel: General Enquiries 01558 823121
Heritage Management Section 01558 823131
Fax: 01558 823133
Email: cambria@cambria.org.uk
Website: www.cambria.org.uk

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APPRAISAL OF BASELINE DATA FOR OUTCOME MONITORING

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APPRAISAL OF CADW THREAT-RELATED PROJECTS

INTRODUCTION

One of the requirements of the Tir Gofal agri-environment programme is the establishment of robust mechanisms to measure the overall effectiveness of the scheme. Considerable difficulties have been encountered in providing an outcome measurement for the historic environment. The only existing programme for monitoring change in the condition of field monuments is that for scheduled monuments undertaken by Cadw's Field Monument Wardens on a five-yearly basis. Three successive quinquennial reviews of the overall condition of SAMs have been produced since the introduction of FMWs in Wales in 1985. FMW reports are based on a detailed assessment of each SAM.

A programme of monitoring of historic environment sites was carried out during the 1990s as an element of measuring outcomes on farm management plans entered into within Environmentally Sensitive Areas (ESAs). Thirty sites (excluding SAMs) were randomly selected from each of the six ESAs in Wales. These were visited in the early 1990s and details of each site entered onto a pro-forma and 3 colour photographs taken of each site. Sites were revisited 7 years later and changes noted and photographs taken if significant changes had occurred. The archive is kept in the Welsh Assembly Building at Aberystwyth.

Cadw have grant-aided Cambria Archaeology (Dyfed Archaeological Trust) to appraise whether it may be possible to extend this process, albeit at a more superficial level, to unscheduled monuments, drawing on the results of the four Trusts' threat-related assessments.

Over the last 15 years or so Cadw has funded the Trusts to undertake a series of threat-related assessments at both the national and regional level. Each has included a basic level of field recording. This appraisal is designed to establish whether sufficient data exists to use this to inform a future programme of condition surveys. The project involves:

1. The rapid assessment of the Trusts' threat-related assessments, all of which involved field validation, to establish whether the field record contains sufficient information to measure, over time, changes in the overall condition of individual monuments. Information gathered includes whether:

There are photographs, including aerial photographs, of each type of monument and whether these are sufficient to show the condition of the monuments at the time of survey

There is an appropriate written description for each monument including appropriate measurements and description of form

The condition of the monument and its vegetation cover was described and whether this is sufficient to monitor change.

Drawn sketches were prepared for all monuments or selectively and whether these can be reproduced in digital format

2. An assessment for each project of how much of the information is held in digital format, particularly how many photographs are digitised and how many would need to be digitised.

3. An assessment of the compatibility of data sources between projects and, for pan-Wales projects, between Trusts, particularly the use of common fields to describe the nature of the site, its location and condition. This should also include information on whether the data is also still held in a separate database established specifically for that project.
4. An assessment of what would be required to bring this information together into an integrated database that could be used for future condition surveys.

As this is a feasibility study, it is not intended that the report will be accompanied by detailed statistics. Rather, the aim is to obtain an overall idea of whether what is being proposed might be workable and the scale of what might be involved.

METHODOLOGY

Initial work consisted of compiling a list of threat-related assessment projects undertaken by the four Trusts over the past 15 years. A list of projects circulated by Cadw was expanded in consultation with the four Trusts:

Pan Wales Projects

Prehistoric Funerary and Ritual Sites
 Prehistoric Defended Enclosures
 Deserted Rural Settlements
 Roman Roads and Vici
 Early Medieval Ecclesiastical Sites
 Coastal Survey

Regional Trust Projects

Clwyd/Montgomery Small Enclosures
 Short Dykes and Cross Ridge Dykes
 Metal Mines
 Gwynedd Hut Circles & Clwyd/Powys Hut Circles
 Historic Settlements
 Cwm Taf Enclosures
 Dyfed Coastal Promontory Forts
 Dyfed Burnt Mounds
 Gwynedd Fish Weirs
 SE Wales Ironworks
 SE Dyfed Mineral Sites
 Gwynedd Slate Quarries

Several projects were considered, but rejected on the grounds that they were not designed to collect data systematically across all known sites, or that they were not threat-related projects:

Walton Basin
 Glamorgan Romano-British Settlements
 Gwynedd Llysoedd and Maerdrefi
 Early Prehistoric Non-defensive Settlement Sites
 N Pembs and S Ceredigion Cropmark Enclosures
 Monmouth Churchyard Crosses

A pro forma was compiled in order to collect coherent data from all projects (Appendix 1). Following a telephone conversation, the list and the pro forma was then forwarded to appropriate staff in the four Trusts. This was followed by a visit to each Trust. Staff consulted included: the Principal Archaeologist of field

services/contracts, the Heritage Management Principal Archaeologist, the HER Officer and project managers and fieldworkers. Generally, consultation with appropriate staff provided sufficient data. On occasions archive notes or the original records had to be consulted, and in one or two cases Trust staff forwarded data following the visit.

RESULTS

The results of the appraisal are summarised in Table 1. Below is synopsis of data gathered for each project.

Prehistoric Funerary and Ritual Sites

A Pan-Wales threat related assessment project involving a visit to all known sites, approximately 9500 in total. The project ran between 1992 and 2006.

Data was collected in a coherent form across all four Trusts, and includes good site descriptions and site conditions, as well as regular sketch plans. CPAT have digitised some of their sketch drawings.

Ground photographs were taken of all sites. These are mostly analogue photographs, but DAT took digital of all sites, and in the last few years of the project CPAT and GGAT took digital photographs. GAT have digitised c10% of their analogue photographs.

Apart from SAMs few oblique aerial photographs exist.

Data from this project is sufficient to inform a future programme of condition surveys.

It is recommended that digital copies should be made of all slides and/or black and white negatives where no digital photograph of the site exists. Digitisation of sketch drawings/pro forma sheets should be carried out.

Defended Enclosures

A pan-Wales threat related assessment project involving a visit to all non-scheduled sites and a proportion of scheduled sites. The project started in 2003 and is ongoing. In excess of 1000 sites will be visited. See also Clwyd/Montgomery Small Enclosures, Cwm Taf Enclosures and Dyfed Coastal Promontory Forts below.

Data is being collected in a coherent form across all four Trusts, and includes site descriptions and site conditions. Descriptions of large earthwork sites (generally SAMs) are less satisfactory than smaller sites. Occasional sketch plans are made.

Ground photographs are being taken of all visited sites, although full photographic coverage of large earthwork sites is not common. GGAT have not taken ground photographs of cropmark sites. Digital photographs are taken of sites, usually in conjunction with analogue photography. GAT have digitised most of their analogue photographs if no digital exists.

There is an oblique aerial photograph of most sites.

Data from this project will be sufficient to inform a future programme of condition surveys. The use of aerial photography in monitoring change on this type of site is of particular importance.

It is recommended that analogue photographs should be digitised only where there is no digital equivalent. Digitisation of sketch drawings/pro forma sheets should be carried out.

Deserted Rural Settlements

A pan-Wales threat related assessment project. Following a review of HER evidence a selection of sites was selected for a site visit. There was some discussion between the Trusts as to what constitutes a DRS, with DAT including

more upstanding sites in their survey than other Trusts. Almost 3000 sites were visited between 1995 and 2003.

Data was not always collected in a coherent form across all four Trusts. CPAT, DAT and GAT's data includes good descriptions, sometimes supported by sketch plans, while GGAT's descriptions are brief and include no sketches.

Not all sites were regularly photographed, with the exception of GGAT's digital photography. DAT only regularly took photographs in the last two years of the project, and then in digital format. Nevertheless, both CPAT and GAT have large collections of analogue photographs.

Very few of these sites have an oblique aerial photograph.

There is some variety of collected data across the four Trusts. However, data from this project is sufficient to inform a future programme of condition surveys.

It is recommended that analogue photographs should be digitised only where there is no digital equivalent. Digitisation of sketch drawings/pro forma sheets should be carried out.

Roman Roads and Vici

A pan-Wales project. Owing to the varying character of evidence across Wales this project has been approached differently by the four Trusts. Vici have been the subject of geophysical survey by all Trusts, and evaluation by some. Apart for GAT, no systematic visiting of roads has been undertaken. The project started in 2002 and is ongoing.

Only GAT have compiled descriptions and sketch drawings for all the roads in their area.

GAT have a large collection of digital photographs. GGAT have analogue photos, but many of these relate to evaluations.

Aerial photography is variable across Wales. All roads have an aerial photograph in DAT's area. Other Trust areas are less well served.

Apart from GAT's survey the data collected from this project is not sufficient to inform a future programme of condition surveys. However, the collection of aerial photographs from DAT's area provides a method of monitoring change on Roman roads.

Digitising of photographs from this project is not a priority. Digitisation of GAT's sketch drawings/pro forma sheets should be carried out.

Early Medieval Ecclesiastical Sites

This pan-Wales project involved extensive desk-top analysis followed by visits to selected sites. There was some variety in approaching this project, but data was collected in a reasonably consistent manner. The project ran from 2001 to 2005 with XXX sites visited.

Descriptions were made of each site, with condition statements, and occasional sketch maps were done.

Only sites that had some form of archaeological presence were photographed. CPAT have a large collection of analogue photographs, and DAT a large collection of digital photographs.

There is some oblique aerial photographic coverage.

Data from this project is sufficient to inform a future programme of condition surveys.

DAT's project archive (excluding photographs) have been deposited with the NMR.

It is recommended that analogue photographs should be digitised only where there is no digital equivalent. Digitisation of sketch drawings/pro forma sheets should be carried out.

Coastal Survey

This pan-Wales project involved desk-top analysis and a visit to all sites along the coastal fringe. The main thrust of the project was to assess how vulnerable coastal sites are to erosion. The project ran from 1991 to 1998 and over XXX sites were visited.

As there is a very wide range (and a large number) of sites along the coast it was not possible to collect data consistently for all types of site. Some descriptions are brief and others full. It was not always possible to evaluate the condition of all sites. DAT have deposited the field records with the NMR.

Apart for CPAT and GGAT, not all sites were photographed.

Oblique aerial photography is variable, but generally only about 20% of sites are covered.

Data from this project is not generally sufficient to inform a future programme of condition surveys. However, data from CPAT's area will be sufficient, and it will be for some smaller classes of monument in other areas.

DAT's project archive has been deposited with the NMR.

Digitising of photographs from this project would be useful, but is not a priority.

Clwyd/Montgomery Small Enclosures

A Clwyd-Powys Archaeological Trust morphological study including site visits. The defended enclosures project is in many ways an extension of this project. Approximately 250 sites were visited between 1991 and 1993.

Descriptions of all sites with condition noted, and regular sketch plan made.

All sites photographed in analogue format. Some of the slides are excavation shots.

Most sites have an oblique aerial photograph.

Data from this project is sufficient to inform a future programme of condition surveys. The use of aerial photography in monitoring change on this type of site is of particular importance.

It is recommended that slides should be digitised where there is no digital equivalent. Digitisation of sketch drawings/pro forma sheets should be carried out.

Short Dykes and Cross Ridge Dykes

CPAT - Short Dykes and Linear Earthworks - and GGAT - Cross Ridge Dykes - threat related assessment projects including a visit to all sites. CPAT's project ran from 2002-05 and GGAT's is ongoing. Approximately 60 sites were visited.

Full descriptions have been compiled, with condition noted, and regular sketch plans by CPAT and occasional by GGAT.

Photographs of all sites have been taken.

Most of the sites have an aerial photograph.

Data from this project is sufficient to inform a future programme of condition surveys. The use of aerial photography in monitoring change on this type of site is of particular importance.

It is recommended that slides should be digitised where there is no digital equivalent. Digitisation of sketch drawings/pro forma sheets should be carried out.

Metal Mines

Two threat related assessment projects, one run by CPAT, 1991-96, one by DAT 1993-94 and one by GAT in 1997-98. Initially a desk-top study followed by field visits. A total of over 630 sites were visited.

Descriptions with condition noted made. Because of the size of some of the sites not all descriptions are full. DAT made occasional sketches of the sites. A copy of the DAT archive (excluding photos) has been deposited with the NMR.

All sites were photographed.

A proportion of sites, probably less than 50%, have an aerial photograph.

Data from this project is sufficient to inform a future programme of condition surveys.

It is recommended that digital copies should be made of all slides and/or colour prints. Digitisation of sketch drawings/pro forma sheets should be carried out.

Gwynedd Hut Circles & Clwyd/Powys Hut Circles

Threat related assessment projects undertaken by GAT, 1993-97, and CPAT. CPAT's project is ongoing. Approximately 1200 sites were visited.

Descriptions with condition made for all sites, with regular sketch drawings.

GAT photographed all sites, CPAT a selection of sites. Most recent of CPAT's photographs are digital.

There are few aerial photographs of these sites.

Data from this project is sufficient to inform a future programme of condition surveys.

It is recommended that slides should be digitised where there is no digital equivalent. Digitisation of sketch drawings/pro forma sheets should be carried out.

Historic Settlements

An historic settlements project was undertaken by DAT, GGAT and CPAT. However, only CPAT's project collected data systematically and in a form suitable for informing future condition surveys. Only CPAT's project from 1991-94 during which c. 500 sites were visited is considered here.

A desk-top assessment followed selective field visits. Owing to the disparate nature of the field evidence only partial descriptions were made, and it was not always possible to record site condition.

Several hundred photographs were taken over the course of the project.

Between 40% and 80% of historic settlements have an oblique aerial photograph.

It is likely that data from this project will assist in informing future programme of condition surveys.

Digitising of photographs from this project would be useful, but is not a priority.

Cwm Taf Enclosures

A threat-related assessment examining late prehistoric enclosures on the Carmarthen/Pembrokeshire border. Desk-top followed up by field visits. Undertaken in 1996-97 with visits to c. 70 sites.

Brief descriptions were made of the sites, noting condition and vegetation. Many of the sites within the survey area are SAMs, and are extensive with upstanding earthworks.

Only a limited number of ground photographs were taken.

Aerial photographs exist of most sites.

Data collected from this project is not sufficient to inform a future programme of condition surveys. However, all the non-SAM sites will be re-examined during the Defended Enclosures Project. Aerial photographs provide a means of monitoring change.

Digitising of the small number of photographs is not a priority.

Dyfed Coastal Promontory Forts

A threat-related assessment of coastal promontory forts, mainly assessing their vulnerability to coastal change and visitor erosion was undertaken in 1993-94 with visits to 60 sites.

Most sites are SAMs, and comprise large upstanding earthworks. Only brief descriptions were made, condition and vegetation type were noted.

Ground photographs were made of a selection of sites.

Aerial photographs exist for almost every site.

Data collected from this project is not sufficient to inform a future programme of condition surveys. The use of aerial photography in monitoring change on this type of site is of particular importance.

Digitising of photographs from this project would be useful, but is not a priority.

Dyfed Burnt Mounds

A threat-related assessment undertaken in 1995-98 of burnt mounds in southwest Wales, including visits to c.300 sites.

Data collected in a consistent manner with descriptions, condition and vegetation type, and with regular sketch plans.

Photographs taken of a selection of sites - generally where upstanding remains were present.

There are very few aerial photographs of this type of site.

Data from this project is sufficient to inform a future programme of condition surveys.

The archive including photograph has been deposited with the NMR. It is recommended that slides and/or black and white negative of this project should be digitised. Digitisation of sketch drawings/pro forma sheets should be carried out.

Gwynedd Fish Weirs

Desk-top assessment followed by visit to all possible sites. Undertaken in 2000 with visits to 57 sites.

Data collected in coherent form with descriptions, condition and vegetation type (where appropriate) and with regular sketch plans.

Ground photographs taken of all sites.

Most sites have an aerial photograph.

Data from this project is sufficient to inform a future programme of condition surveys, although it is unlikely that fish weirs will comprise part of a Tir Gofal scheme.

It is recommended that colour negative of this project should be digitised. Digitisation of sketch drawings/pro forma sheets should be carried out.

SE Wales Ironworks

Desk-top study with field visits to sites which have archaeological remains. This project is ongoing. Approximately 60 sites will be visited.

Data collected in systematic way with brief descriptions, site condition and vegetation with occasional sketch plans.

Digital ground photographs are taken of all sites.

Very few sites have an aerial photograph.

Data from this project will be sufficient to inform a future programme of condition surveys. Digitisation of sketch drawings/pro forma sheets should be carried out.

SE Dyfed Mineral Sites

Desk-top study with visits to c. 400 selected sites, undertaken in 1994-96.

Brief descriptions were made, some with condition noted as well as vegetation type. No sketch plans.

Photographs were taken of a selection of sites.

There are few aerial photographs of these sites.

Data collected from this project is not sufficient to inform a future programme of condition surveys.

It is recommended that slides and/or black and white negative of this project should be digitised.

Gwynedd Slate Quarries

Desk-top study with visits to 135 selected sites, undertaken in 1997-98.

Brief descriptions were made, but site condition noted and vegetation type not noted. No sketch plans.

Photographs were taken of a selection of sites.

There are an unknown quantity of aerial photographs of some of these sites.

Data collected from this project is not sufficient to inform a future programme of condition surveys.

Digitising of photographs from this project would be useful, but is not a priority.

Table 1.

SUMMARY

Table 2 below summarises the suitability or otherwise of projects to inform a future programme of condition surveys.

Prehistoric Funerary and Ritual Sites	Suitable
Prehistoric Defended Enclosures	Suitable
Deserted Rural Settlements	Suitable
Roman Roads and Vici	Part Suitable
Early Medieval Ecclesiastical Sites	Suitable
Coastal Survey	Part Suitable

Regional Trust Projects

Clwyd/Montgomery Small Enclosures	Suitable
Short Dykes and Cross Ridge Dykes	Suitable
Metal Mines	Suitable
Gwynedd - Clwyd/Powys Hut Circles	Suitable
Historic Settlements	Part Suitable
Cwm Taf Enclosures	Not Suitable
Dyfed Coastal Promontory Forts	Not Suitable
Dyfed Burnt Mounds	Suitable
Gwynedd Fish Weirs	Suitable
SE Wales Ironworks	Suitable
SE Dyfed Mineral Sites	Not Suitable
Gwynedd Slate Quarries	Not Suitable

Where appropriate most projects have been archived, partly archived or are being worked upon. Almost all archives have been retained by the Trusts. All written field records have been entered onto the Trusts' main HER database and/or on to a linked database. In the past two-three years digital has become the main photographic medium, superseding colour and black/white analogue. Very few of these analogue photographs have been digitised and all the originals remain with the Trusts. Apart from some CPAT records no field sketches have been digitised. No pro-forma records have been digitised, and apart from Some DAT projects no pro forma records/field notes have been copied and deposited in a recognised archive store.

In order to obtain an integrated record and ensure the long-term survival of field records and photographs the following is recommended:

The programme of photograph scanning begun in 2005-06 is maintained. An indication of photographs requiring scanning is provided in the project list above. All scanned photographs must have a database index.

Field sketches should be scanned. Scanned sketches must have a database index.

Pro forma records/field notes contain should be scanned where they contain information not included on the HER/linked database. Scanned records must have a database index.

The records, photographic and written, of the 1990s ESA monitoring project should be scanned and copies lodged with the relevant HER and with the NMR.

Appendix 1

CAMBRIA ARCHAEOLOGY

APPRAISAL OF CADW THREAT-RELATED PROJECTS

(SCOPING PROJECT FOR THE OUTCOME OF MEASUREMENTS OF THE CONDITION OF UNSCHEDULED FIELD MONUMENTS)

Trust:

Project:

Year:

General description of project:

Field Record

Form of written field record:

Pro forma Field notebook Other - specify

No of site records (i.e. number of sites visited)

Does the field record contain a site description?

Full record with good description Partial description of site Brief description of site No description Other - specify

Does the field record contain a record of the site's condition?

Yes No

Does the field record contain a record of the site's vegetation?

Yes No

Are there sketch plans/drawings in the field record?

Regular sketch plans Occasional sketch plans No sketch plans Other - specify

Is the record archived?

Fully archived Partially archived Not archived Other - specify

Location of archive and/or field record

Trust NMR Other - specify

Final record

Form of final record:

HER database entry Other database entry Description in report
No description Other - specify

Photographic record

Photographs taken of:

All sites (over 90%) Some sites No sites Other - specify

Form of photographic record:

Colour slide Black and white Digital

Approximate number of photographs

Colour slide Black and white Digital

Have colour slides and/or B-W photos been digitised? Yes No Some

What is the form of the photographic index

Index in field notes Paper index Database index None

Other - specify

Are the photographs archived?

Fully archived Partially archived Not archived Other - specify

Location of photographic archive

Trust NMR Other - specify

Aerial Photographs

Is there known oblique aerial photographic coverage of this class of site?

Over 80% of sites have an aerial photograph 40% - 80% of sites have an

aerial photograph 10% - 40% sites have an aerial photograph

Less than 10% of sites have an aerial photograph

General comments

Information provided by:

Date:

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September 2006

Paratowyd yr adroddiad hwn gan / This report has been prepared by K Murphy

Swydd / Position: Principal Archaeologist

Llofnod / Signature Dyddiad / Date

Mae'r adroddiad hwn wedi ei gael yn gywir a derbyn sêl bendith
This report has been checked and approved by E G Hughes

ar ran Archaeoleg Cambria, Ymddiriedolaeth Archaeolegol Dyfed Cyf.
on behalf of Cambria Archaeology, Dyfed Archaeological Trust Ltd.

Swydd / Position: Director

Llofnod / Signature Dyddiad / Date

Yn unol â'n nôd i roddi gwasanaeth o ansawdd uchel, croesawn unrhyw sylwadau
sydd gennych ar gynnwys neu strwythur yr adroddiad hwn

As part of our desire to provide a quality service we would welcome any
comments you may have on the content or presentation of this report

Table 1. Analysis of projects.

GENERAL			FIELD RECORD								FINAL RECORD	PHOTOGRAPHS							AERIAL PHOTO	
TRUST	PROJECT	YEAR	TYPE	NO.	DESC	COND ITION	VEG	SKETCH	ARCHI VED	LOCA TION	FINAL RECORD	PHOTOS TAKEN	COLOUR SLIDE	BLACK WHITE	COLO UR PRINT	DIG	PHOTO INDEX	PHOTO ARCHIV	LOCA TION	AERIAL PHOTOS
CPAT	Prehist Funerary & Ritual	92-05	Pro forma	6000	Full	Yes	Yes	Regular	Fully	Trust	HER, database, report	All sites	1700	1700	20	?	Database	Fully	Trust	10%-40%
DAT	Prehist Funerary & Ritual	00-06	Pro forma	1800	Full	Yes	Yes	Occasion	Partial	Trust	HER, report	All sites	1000	1500	-----	1500	Database	Partially	Trust	<10%
GAT	Prehist Funerary & Ritual	00-06	Pro forma	900	Full	Yes	Yes	Regular	Partially	Trust	HER, database, report	All site	2000	-----	2000		Paper	Partially	Trust	<10%
GGAT	Prehist Funerary & Ritual	20-06	Pro forma	1100	Full	Yes	Yes	Occasion	Partially	Trust	HER, database, report	All sites	1200	1200	-----	300	Paper	Partially	Trust	<10%
CPAT	Defended Enclosures	03---	Pro forma	100s	Full	Yes	Yes	Occasion	Ongoing	Trust	HER, database, report	All sites	Yes	-----	-----	Yes	Database	Ongoing	Trust	>80%
DAT	Defended Enclosures	03---	Pro forma	100s	Full	Yes	Yes	Occasion	Ongoing	Trust	HER, report	All sites	-----	-----	-----	Yes	Database	Ongoing	Trust	>80%
GAT	Defended Enclosures	03-06	Pro forma	170	Full	Yes	Yes	Occasion	Partially	Trust	HER, database, report	All sites	?	-----	?	?	Paper	Partially	Trust	40%-80%
GGAT	Defended Enclosures	03---	Pro forma	100s	Full	Yes	Yes	Occasion	Ongoing	Trust	Database, report	Some	150	400	-----	----	Database	Not	Trust	10%-40%
CPAT	Deserted Rural Settlements	95-03	Pro forma	1500	Full	Yes	Yes	Regular	Fully	Trust	HER, database, report	Some	940	1200	20	----	Database	Fully	Trust	<10%
DAT	Deserted Rural Settlements	96-03	Pro forma	1000	Full	Yes	Yes	Occasion	Fully	Trust	HER, report	Some	50	50	-----	240	Database	Fully	Trust	<10%
GAT	Deserted Rural Settlements	96-07	Pro forma	1200	Full	Yes	Yes	Occasion	Partially	Trust	Database, report	Some	100	900	-----	----	Field notes	Partially	Trust	<10%
GGAT	Deserted Rural Settlements	96-00	Notebook	130	Brief	Part	Part	None	Fully	Trust	HER, database, report	All sites	65	65	-----	130	Database	Fully	Trust	<10%
CPAT	Roman Roads and Vici	02-04	Pro forma	c100	Full	Yes	Yes	Occasion	Fully	Trust	HER, database, report	Some	130	120	-----	----	Database	Fully	Trust	10%-40%
DAT	Roman Roads and Vici	03---	Notebook	6	Full	Yes	Yes	None	N/A	Trust	HER, report	All sites	-----	-----	-----	20	Database	Fully	Trust	>80%
GAT	Roman Roads and Vici	02---	Pro forma	410	Full	Yes	Yes	Regular	Partially	Trust	HER, database, report	All sites	-----	-----	70	800	Database	Fully	Trust	10%-40%
GGAT	Roman Roads and Vici	00-03	Notebook	Few	Partial	No	No	None	N/A	Trust	Report	Some	-----	-----	-----	?	Database	Partially	Trust	10%-40%
CPAT	Early Med Ecclesiastical Sites	01-05	Pro forma	200	Full	Yes	Yes	Occasion	Fully	Trust	HER, database, report	Some	340	200	-----	----	Database	Fully	Trust	10%-40%
DAT	Early Med Ecclesiastical Sites	01-05	Pro forma	190	Full	Yes	Yes	Occasion	Fully	Trust NMR	HER, report	Some	-----	70	-----	400	Database	Partial	Trust	<10%
GAT	Early Med Ecclesiastical Sites																			
GGAT	Early Med Ecclesiastical Sites	01-05	Notebook	42	Full	No	Yes	Occasion	Partially	Trust	Database, report	All sites	100	100	-----	120	Database	Partial	Trust	10%-40%
CPAT	Coastal Survey	91-93	Pro forma	200	Full	Yes	Yes	Occasion	Fully	Trust	HER, database, report	All sites	185	200	-----	----	Database	Fully	Trust	40%-80%
DAT	Coastal Survey	92-97	Pro forma	2000	Brief	Part	Yes	None	Fully	Trust NMR	HER	Some	70	150	-----	----	Paper	Partially	Trust	<10%
GAT	Coastal Survey	93-98	Pro forma	1200	Brief	Yes	Yes	Occasion	Partially	Trust	HER, database, report	Some	600	-----	-----	----	Paper	Fully	Trust	<10%
GGAT	Coastal Survey	93-98	Notebook	??	Brief	Part	Yes	None	Partially	Trust	HER, database, report	All sites	Uncertain	Uncertain	-----	----	Paper	Partially	Trust	<10%
CPAT	Clwyd/Mont Small Enclosures	91-93	Pro forma	250	Full	Yes	Yes	Regular	Fully	Trust	HER, database, report	Some	340	40	-----	----	Database	Fully	Trust	>80%
CPAT	Short Dykes	02-05	Pro forma	40	Full	Yes	Yes	Regular	Fully	Trust	HER, database, report	All sites	145	200	-----	----	Database	Fully	Trust	>80%
GGAT	Cross Ridge Dykes	06---	Notebook	20	Full	Yes	Yes	Occasion	Ongoing	Trust	HER, report	All sites	-----	????	-----	????	Database	Ongoing	Trust	40%-80%
CPAT	Metal Mines	91-96	Notebook	300	Full	Yes	Yes	None	Fully	Trust	HER, database, report	All sites	525	525	-----	----	Field notes	Fully	Trust	10%-40%
DAT	Metal Mines	93-94	Notes	200	Partial	Yes	Yes	Regular	Fully	Trust NMR	HER	All sites	-----	-----	1000	----	Paper	Not	Trust	10%-40%
GAT	Metal Mines	97-98	Pro forma	135	Brief	No	No	None	Partially	Trust	HER, database, report	Some	-----	-----	250	----	None	Partially	Trust	?
CPAT	Clwyd/Powys Round Huts	99 +	Pro forma	c200	Full	Yes	Yes	Regular	Ongoing	Trust	HER, database, report	Some	50	50	-----	ongo	Database	Ongoing	Trust	<10%
GAT	Gwynedd Hut Circles	93-97	Pro forma	1000	Full	Yes	Yes	Regular	Partially	Trust	HER, database, report	All sites	?	-----	?	----	Paper	Partial	Trust	<10%
CPAT	Historic Settlements	91-94	Notes	c500	Partial	No	Yes	Occasion	Fully	Trust	HER, report	Some	250	300	-----	----	Database	Fully	Trust	10%-40%
DAT	Cwm Taf	96-97	Pro forma	70	Brief	Yes	Yes	None	Partially	Trust	HER, report	Some	-----	20	-----	----	Paper	Partial	Trust	>80%
DAT	Coastal Promontory Forts	93-94	Notes	60	Brief	Yes	Yes	None	Partially	Trust	HER, report	Some	30	40	-----	----	Paper	Partial	Trust	>80%
DAT	Burnt Mounds	95-98	Pro forma	300	Full	Yes	Yes	Regular	Fully	NMR	HER, report	Some	Uncertain	Uncertai	-----	----	Paper	Fully	NMR	<10%
GAT	Fish Weirs	2000	Pro forma	57	Full	Yes	Yes	Regular	Fully	Trust	HER, database, report	All sites	-----	-----	100	----	Paper	Partially	Trust	>80%
GGAT	SE Wales Ironworks	04---	Pro forma	60	Brief	Yes	Yes	Occasion	Ongoing	Trust	HER, database, report	All sites	70	30	-----	----	Database	Ongoing	Trust	<10%
DAT	SE Dyfed Minerals	94-96	Notes	c400	Brief	No	Yes	None	No	Trust	HER, report	Some	60	80	-----	----	Paper	Partial	Trust	<10%
GAT	Slate Quarries	1996	Pro forma	106	Brief	Yes	Yes	Occasion	Partially	Trust	HER, database, report	Some	100	100	-----	----	None	Partially	Trust	?

