



**Kennels at Tehidy Country Park, Cornwall,
Project design for photogrammetry,
measured building survey and historic
building recording**

Cornwall Archaeological Unit

Kennels at Tehidy Country Park, historic building recording project design, [REDACTED]

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Client: [REDACTED]

Client Contact: [REDACTED]

Project background and site history

This document sets out a project design by Cornwall Archaeological Unit (CAU) for measured building survey, photogrammetry survey and historic building recording at the kennels in Tehidy Country Park, Camborne located at NGR: SW 6416 4336 (Figs 1 and 2). Tehidy Country Park along with the kennels is owned and managed by Cornwall Council.

The former dog kennels were originally built in the mid 19th century, for the Basset family of Tehidy, to provide housing for their hunting dogs. The complex comprises several buildings with associated yards set within a square walled enclosure. It is a complete example of a 19th century hunting dog kennel, and one of only a very small number that survive in Cornwall. As such the kennel complex at Tehidy should be classed as a highly significant non-designated heritage asset.

The kennel yards and buildings have been sadly neglected for several decades and are presently in a state of disrepair with several roofs in imminent danger of collapse.

A previous effort to restore and reuse the buildings was made in 1995 when planning permission was granted for the conversion of the buildings to craft workshops, camping barns and associated facilities. However, this project was not pursued, but an archaeological record of the complex which had been requested as a condition attached to the Planning Consent was undertaken a few years after in 1998 (Thomas 1998). A review of the archaeological record of the kennel site was later requested as part of the brief for a Country Park management plan in 2010. As a result of this the archaeological record undertaken in 1998 was updated (Thomas 2011)

Recently, due to the threat of imminent loss of roofs, a decision was made by Cornwall Council's Countryside team to establish a new project to address any further deterioration and find a new use for the complex.

In response to the initial phase of this project CAU have been commissioned by [REDACTED] on behalf of [REDACTED] to carry out a historic building record of the kennels (equivalent to a Historic England level 3 survey) which will also include a measured building survey (undertaken by [REDACTED]) and photogrammetry survey (undertaken by 3deep Media).

Kennels at Tehidy Country Park, historic building recording project design, [REDACTED]



Fig 1 Location of the kennels shown in red with Tehidy House and other Listed Buildings to the east shown in yellow.



Fig 2 Extent of the Kennels complex.

Project extent

The extent of the project area includes the whole of the kennels complex and its immediate environs.

Aims and objectives

The principal aims of the work are to undertake a photogrammetry survey, a measured building survey and a historic building record of the existing kennels complex.

The objectives are to:

- Produce a photogrammetry model of the existing site.
- Produce a measured building survey including plans, elevations and sections.
- Produce an accurate record of the existing complex including its fabric, features and fittings (Level 3 as defined by Historic England 2016).
- Create a phased historic development for the existing complex.

Working methods

All recording work will be undertaken according to the Chartered Institute for Archaeologists (CIfA) guidance (CIfA 2020; 2020a; 2020b; 2020c; 2020d; 2018). Staff will follow the CIfA *Code of Conduct* (2019). The Chartered Institute for Archaeologists is the professional body for archaeologists working in the UK.

Archive research

This stage of the project will assemble information from existing archives and records and carry out research on other accessible and relevant primary and secondary documentary and map sources.

Archives to be consulted for documentary sources, including maps and pictorial material, will be limited to those that are directly relevant and available. A search of the Basset archive held at Kresen Kernow will be included.

Copies of maps from each historic period will be used where available and copyright permits to show the evolution of the building.

Pre-fieldwork

In advance of the fieldwork CAU, will discuss and agree with the client:

- Working methods and programme.
- Health and Safety issues and requirements.

Fieldwork: Photogrammetry

(Undertaken by 3deep Media).

A photogrammetry survey will be undertaken prior to any repairs/alterations to include:

- Production of a baseline photographic survey and 3D model.
- Low-level aerial photography of the existing structure and surroundings.
- An overall vertical view (orthomosaic) of the site.
- Oblique views of the site and surrounding landscape context.
- The production of a 3D model of the site using Structure from Motion.

Fieldwork: Measured building survey

(Undertaken by [REDACTED]).

A measured building survey will be undertaken using a 3D laser scanner prior to any repairs/alterations to include:

- Survey control being related to The National Grid and Ordnance Datum.
- Full survey to enable the creation of floor plans, elevations (x8) sections (x2) and a roof plan.

Fieldwork: Historic building record

A Historic building record of the existing complex (equivalent to a Historic England level 3 survey) will be undertaken.

- The floor plans and elevations created as part of the measured building survey will be used. Measured detail will be added to the drawings along with annotations to provide information of both historic development and fabric.
- Colour photographs of all elevations along with architectural details will be taken with a digital camera (at a resolution of 10 million pixels or higher). These will form the archive. Photographs will include a metric scale bar, except where Health and Safety considerations make this impractical.
- Descriptions of the complex will be made in note form and by annotation of the plan and elevation drawings to record all exteriors and interiors, fabric and construction, phased development through time and architectural details.

Creation of the physical and digital archive

The results from the fieldwork will be collated as an archive.

This will involve the following.

- All records (drawings, photographs, etc.) will be ordered, catalogued and stored in an appropriate manner (according to CAU guidelines).
- Colour digital images taken as part of the site archive will be deposited with the Archaeology Data Service (ADS).
- Measured and annotated drawings will be created.
- Completion of the Historic England/ADS OASIS online archive index.
- All correspondence relating to the project, the project design, and a single paper copy of the report, stored in an archive standard (acid-free) documentation box.
- Drawn archive storage (plastic wallets for the annotated record drawings).
- Additional digital data (survey, external reports, etc).

Archive deposition

An index to the site archive will be created and the archive contents prepared for long term storage, in accordance with CAU standards.

- The project archive will be deposited initially at ReStore PLC, Liskeard and at CAU premises until a suitable repository is found.
- Digital data will be stored on the Cornwall Council network which is regularly and frequently backed up.
- Digital data (CAU reports, external reports, digital photographs, etc) forming part of the site archive will be deposited with the ADS.
- A 3D model of the kennels complex will be made available to view on Sketchfab.

CAU uses the following file formats for stored digital data:

DOCX Word processed documents
 XLSX Spreadsheets
 PDF Exports of completed documents/reports/graphics
 JPG Site graphics and scanned information
 DNG or TIF Digital photographs
 DWG AutoCAD drawings, measured surveys
 MXD ArcView GIS (electronic mapping) data
 AI Adobe Illustrator graphics

Reporting

The results from the project will be drawn together and presented in a report. The scope of the report will be dependent on the scale and significance of the results from the project.

The report will include the following elements:

- Summary
- Project background

Kennels at Tehidy Country Park, historic building recording project design, [REDACTED]

- Aims and objectives
- Methodology
- Location and setting
- Statement of significance
- Site history
- Phased historic development
- Historic building record description and results
- References
- Project archive index
- Supporting illustrations: location map, historic maps, plans, elevations, sections, photographs, photo direction plan for the historic building record
- The project design will be added to the archive report as the final appendix.

Timetable

The study is anticipated to commence during October 2022. CAU will require at least 2 weeks' notice before commencement of work, in order to allocate field staff and arrange other logistics.

The archive report will be completed in January 2023. The deposition of the archive will be completed within 3 months of the completion of the archive report.

References

CAU 2019. *Managing Health and Safety within Cornwall Archaeological Unit*. Truro, Cornwall Archaeological Unit, Cornwall Council

CIfA, 2020. *Updated Standard and guidance for the archaeological investigation and recording of standing buildings or structures*, CIfA, Reading

CIfA, 2020a. *Standard and guidance for historic environment desk-based assessment*, CIfA, Reading

CIfA, 2020b. *Standard and guidance for archaeological field evaluation*, CIfA, Reading

CIfA, 2020c. *Standard and guidance for an archaeological watching brief*, CIfA, Reading

CIfA, 2020d. *Standard and guidance for archaeological excavation*, CIfA, Reading

CIfA, 2018. *Policy Statements*. Reading, CIfA

CIfA, 2019. *Code of Conduct*. Reading, CIfA

Cornwall Council 2021. *Health and Safety Policy Statement – PLY001*. Truro, Cornwall Council

Historic England 2016. *Understanding Historic Buildings: A guide to good recording practice*. Historic England, Swindon

Historic England 2015. *Guidance note on Digital Image Capture and File Storage*. Historic England, Swindon

Ordnance Survey. *Mastermap Digital Mapping*

Thomas, N, 1998. *Field Officer's report: Former Kennel complex, Tehidy*, CAU report

Thomas, N, 2011. *Tehidy Kennels, Cornwall, Historic building record report*, CAU report

Cornwall Archaeological Unit

Cornwall Archaeological Unit is part of Cornwall Council. CAU employs 10 project staff with a broad range of expertise, undertaking around 120 projects each year.

CAU is committed to conserving and enhancing the distinctiveness of the historic environment and heritage of Cornwall and the Isles of Scilly by providing clients with a number of services including:

- Conservation works to sites and monuments
- Conservation surveys and management plans
- Historic landscape characterisation

Kennels at Tehidy Country Park, historic building recording project design, [REDACTED]

- Town surveys for conservation and regeneration
- Historic building surveys and analysis
- Heritage Impact Assessments/Heritage Statements
- Maritime and coastal zone assessments
- Air photo mapping
- Excavations and watching briefs
- Assessments and evaluations
- Post-excavation analysis and publication
- Outreach: exhibitions, publication, presentations

Standards



CAU is a Registered Organisation with the Chartered Institute for Archaeologists and follows their Standards and Code of Conduct.

<http://www.archaeologists.net/codes/ifa>

Terms and conditions

Contract

CAU is part of Cornwall Council. The contract for this work will be between the client and Cornwall Council.

The views and recommendations expressed will be those of CAU and will be presented in good faith on the basis of professional judgement and on information currently available.

Project staff

The project will be managed by Jo Sturgess who will:

- Discuss and agree the objectives and programme of each stage of the project with the client and other field officers, including arrangements for health and safety.
- Monitor progress and results for each stage.
- Liaise with the client and parties involved regarding related issues.

Work will be carried out by CAU field staff. All staff will follow CAU's Health and Safety Policy and work in accordance with a site-specific risk assessment.

The project team is expected to include:

Jo Sturgess BA, MCIfA

Senior Archaeologist and head of historic buildings work at CAU, with a wide range of experience in recording historic buildings, landscapes, excavation, post-excavation and characterisation. Past historic building works have included Lanhydrock House (Cornwall), Port Eliot (Cornwall), Arlington Court (Devon), Bradley Manor (Devon), Buckland Abbey (Devon), Cutmadoc Farmhouse (Cornwall), the Piggery and Cider House at Godolphin (Cornwall), Poltesco Mill House (Cornwall), Molenick Farmhouse (Tideford), City Wharf (Truro), Harvey's Foundry (Hayle), Boswednack Serpentine works; Porthmeor farm; Bartle's Foundry (Pool), Manor Tannery (Grampound) Duchy Palace (Lostwithiel), Worthyvale Manor and variety of mine buildings, farm buildings and industrial buildings. Other projects include Devon Extensive Urban Survey, Gwithian's past excavations, Lemon Quay excavation, Goonhilly Earth Station survey, Lower Boscawell and Trevea in West Penwith landscape surveys. Expertise includes use of Total Station, CAD software and GIS. Holder of a CSCS card and qualified first aider.

Connor Motley BA (Hons)

Kennels at Tehidy Country Park, historic building recording project design, [REDACTED]

Assistant Archaeologist Connor joined the team in 2019 after graduating from the University of York with BA (Hons) in Archaeology. Connor is experienced in archival research and has a good working knowledge of architectural and building history. He has a wide range of archaeological experience having partaken in surveys, excavations and post-excavation in England, Wales and Cornwall. Since joining he has been assisting with historic building projects, excavations and watching briefs and using software such as GIS and AutoCAD.

Report distribution

A digital copy of the report will be sent to the client. A paper copy can be supplied on request.

Once verified by Cornwall HER, a digital copy of the report will also be publicly available online via the Archaeology Data Service (ADS) Library.

Copyright

Copyright of this project design will be reserved to Cornwall Archaeological Unit, Cornwall Council. It may only be used/reproduced with permission from Cornwall Archaeological Unit.

Existing copyrights of external sources will be acknowledged where required.

Freedom of Information Act

As Cornwall Council is a public authority it is subject to the terms of the Freedom of Information Act 2000, which came into effect from 1st January 2005.

CAU will ensure that all information arising from the project shall be held in strict confidence to the extent permitted under the Act. However, the Act permits information to be released under a public right of access (a "Request"). If such a Request is received CAU may need to disclose any information it holds, unless it is excluded from disclosure under the Act.

Health and safety statement

CAU follows Cornwall Council's *Statement of Safety Policy*.

Prior to carrying out on-site work CAU will carry out a site-specific Risk Assessment.

Insurance

CAU is covered by Cornwall Council's Public and Employers Liability Insurance, with a policy value of £50m. The Council also has Professional Negligence insurance with a policy value of £10m.

Jo Sturgess

Senior Archaeologist

27/10/2022

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