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**Katharine Sawyer MA (Cantab), MSc, PhD**  
**Archaeologist and Guide**

Alegria, High Lanes  
St Mary's, Isles of Scilly TR21 0NW

E-m

**Kenython,**  
**Bryher, Isles of Scilly TR23 0PR**

**Written Scheme of Investigation for a Programme  
of Archaeological Recording during Groundworks**

Client: Miss A Pender, Island Fish Ltd

Tel:

E-m

**1 Site location and description**

The site is on the eastern side of Bryher, at NGR SV 88138 15235. It lies approximately 5m above sea level inland from the Bar. The area is characterised as agricultural land: valley and hillslopes with bulb strips (Land Use Consultants 2002). The site is surrounded by bulb strips of the late 19<sup>th</sup>/20<sup>th</sup> century, heathland with relict field systems of anciently enclosed land (prehistoric to early post-mediaeval) and blown sand and dunes (Land Use Consultants 1996).

The proposed development consists of the demolition of a wooden dwelling house, which is approximately 80 years old, and the construction of a mixed use workspace, which will include a raw fish preparation room, cooking room, processing room, office, toilet facilities (including access by the general public) and a shellfish/fish retail area/marine interpretation area for the use of Island Fish Ltd.

**2 Project background**

Following a planning application submitted on 18 October 2016 (application number P/16/111), Miss Pender was granted planning permission for the development.

Permission for development was granted subject to an archaeological recording pre-commencement condition, C4 and C5, that:

*“No demolition/development shall take place/commence until a programme of archaeological work including a Written Scheme of Investigation has been submitted to and approved by the local planning authority in writing. The scheme shall include an assessment of significance and research questions, and:*

- 1. The programme and methodology of site investigation and recording,*
- 2. The programme for post investigation assessment,*
- 3. Provision to be made for analysis of the site investigation and recording,*
- 4. Provision to be made for publication and dissemination of the analysis and records of the site investigation,*
- 5. Provision to be made for archive deposition of the analysis and records of the site investigation; and*
- 6. Nomination of a competent person or persons/organisation to undertake the works set out within the Written Scheme of Investigation.*

*The development/demolition shall accord with the approved Written Scheme of Investigation thereafter.*

*Reason: To ensure the site has provision for full recording of its archaeological potential.*

*C5 Prior to first use of the building or first occupation (whichever is sooner), the site investigation and post investigation assessment must be completed in accordance with the programme set out in the Written Scheme of Investigation approved under condition 4 and the provision made for analysis, publication and dissemination of results and archive deposition has been secured, unless otherwise agreed in writing by the Local Planning Authority.*

*Reason: To ensure the site has provision for full recording of its archaeological potential.”*

### **3 Archaeological and historical background**

The Cornwall and Scilly Historic Environment Record includes one site near to the development:

- A prehistoric granite mortar was recorded as being in the garden of Kenyhton during the electrification project in 1985 (MCO30710, PRN7624)

There is no record of previous archaeological work at the site of the development.

### **4 Project aims**

The site specific aims are to:

- establish the presence/absence of archaeological remains
- determine the extent, condition, nature, character, date and significance of any archaeological remains encountered
- establish the nature of the activity on the site
- identify any artefacts relating to the occupation or use of the site
- provide further information on the archaeology of the site from any archaeological remains encountered.

## **5 Methodology**

The recording will involve the following phases of work:

1. Desk-based study
2. Archaeological fieldwork
3. Analysis and archiving
4. Report production
5. Archive deposition

### **5.1 Desk-based study**

Prior to the commencement of on-site works, the project archaeologist will familiarise themselves with the site by examining the information held in the Cornwall and Scilly Historic Environment Record, on the 1<sup>st</sup> and 2<sup>nd</sup> edition Ordnance Survey maps of the area, at the Isles of Scilly Museum and in any relevant publications.

### **5.2 Archaeological fieldwork**

An archaeologist will be present during all groundworks associated with the development, unless circumstances dictate a different approach. If work is carried out by machine, where possible a toothless ditching bucket will be used for the removal of any overburden until the first archaeological horizon is exposed. This will then be hand cleaned and recorded as appropriate.

Any surviving remains which will be disturbed or destroyed by the development will be archaeologically excavated and recorded.

Any significant features or layers identified in plan or section will be recorded using the following methodology:

(a) each feature or layer will be assigned a context number from a continuous block of context numbers and recorded on a standard pro forma context sheet, where possible noting the location, extent, nature, character and stratigraphic relationships of any archaeological evidence revealed;

(b) location will be plotted onto a 1:100 plan (drawn in 4H pencil on gridded drafting film);

(c) if appropriate the feature/layer will be planned at 1:20 scale or recorded in section at 1:10 scale (unless circumstances indicate that other scales would be more appropriate);

(d) scaled archive photographs will be taken (35mm black and white prints and negatives); digital colour photographs will be used for report illustration. In the case of detailed photographs a north arrow will be included, where appropriate. A photographic register detailing the feature number, location, direction of shot and other relevant information will be drawn up.

(e) any artefacts from the site (excluding post-1800 unstratified ceramics) will be collected in sealable plastic bags which will be labelled immediately with the site code (KN17) and context number if appropriate. They will be removed from the site for processing and conservation where necessary, in preparation for analysis and archiving.

(f) if human remains are discovered they will initially be left in situ and reported to Development Management Archaeological Advice Officer, Cornwall Council (DMAAO) and the appropriate authorities (including the Coroner). If they are to be removed this will be done in accordance with the relevant Government regulations, with due reverence and in accordance with current best practice and legal requirements. The site will be screened from public view during excavation and, once excavated, the human remains will not be exposed to public view. If human remains are not to be removed their physical security will be ensured by back-filling as soon as possible after recording.

The Chartered Institute for Archaeologists' *Standards and guidance for an archaeological watching brief* will be followed in the execution of the project.

The Historic England Science Advisor for the South-West (Hayley McParland 0117 975 0689, Hayley.McParland@historicengland.org.uk) will be consulted for advice, if necessary.

Finds work, sampling, etc will be guided by the ClfA *Guidelines for Finds Work* and the Historic England Centre for Archaeology Guidelines on *Archaeometallurgy, Environmental Archaeology* and *Geoarchaeology*.

If significant archaeological deposits are exposed all works will cease and a meeting will be convened with Miss Pender and the DMAAO to discuss the most appropriate way forward.

### **5.3 Analysis and archiving**

During this phase the results of the fieldwork will be collated for archiving. This will involve the following tasks:

- washing or other cleaning of finds, where appropriate
- marking of pottery, and other finds where appropriate, with the site code and context number
- indexing of site drawings and photographs;
- identification of finds, with the assistance of specialists from Cornwall Archaeological Unit and/or elsewhere, if appropriate (details of specialist consultants are included in Appendix 2).

### **5.4 Report production**

A report presenting the results of the archaeological recording will be produced within a time period, not exceeding six months, to be agreed between Miss Pender, the DMAAO, the Isles of Scilly Museum and Katharine Sawyer.

Two copies of the report (one hardcopy and one digital in PDF format on CD-ROM) will be submitted to the DMAAO for addition to the Cornwall and Scilly Historic Environment Record. Copies will also be provided to the Planning Department of the Council of the Isles of Scilly, Miss Pender and the Isles of Scilly Museum.

A record of the investigation will also be set up on the Historic England/ADS online index (OASIS).

The report will have the following contents:

- a concise non-technical summary of the project results
- the aims and methods adopted in the course of the investigation
- a discussion of archaeological findings in terms of both the site specific aims and the desk based research
- a location map, a drawing showing those areas examined as part of the archaeological recording, and copies of any archaeological plans and sections. All plans will be tied to the Ordnance Survey national grid
- all specialist reports and assessments
- a summary of the archive contents and date of deposition
- a context register with brief descriptions will be included as an appendix
- a copy of the project brief and the approved written scheme of investigation will be included as an appendix.

The DMAAO will advise, within four weeks of receipt of the report, whether full publication in an appropriate journal is required. (A contingency for this will be included in the estimate for the work.)

### **5.5 Archive deposition**

A site archive will be prepared, in accordance with the *Management of Research Projects in the Historic Environment (MoRPHE)* (Historic England 2015), upon completion of the project.

The Isles of Scilly Museum have agreed to accept the archive, which will include a copy of the written report. This will be deposited within two months of the completion of the full report. Confirmation of the deposition of the archive and a summary of its contents will be supplied to the DMAAO.

A copy of the report will be supplied to the Historic England Archive in Swindon.

## **6 Monitoring**

Groundworks will not commence until written approval for this WSI has been received from the DMAAO. Notification of the proposed start of work will be given to the Local Planning Authority and the DMAAO, in writing, if possible at least one week in advance.

Work is anticipated to start in August 2017 and the DMAAO will be kept regularly informed of progress.

Any variations to this WSI will be agreed with the DMAAO, normally in writing, prior to them being carried out.

## **7 Copyright**

Copyright of all material gathered as a result of the project will be reserved to Katharine Sawyer. Existing copyrights of external sources will be acknowledged where required. Use of the material will be granted to the client.

## **8 Project staff**

Katharine Sawyer MA (Cantab), MSc, PhD is the archaeological contractor for the project. She is an archaeologist who lives on St Mary's. A c.v. of her relevant qualifications and experience is at Appendix 1 of this document.

If any archaeological finds or features come to light for which she does not have the necessary resources or expertise, she will contact Charlie Johns, Archaeology Projects Officer at Cornwall Archaeological Unit, Cornwall Council, with special responsibility for Scilly, for advice and assistance.

The relevant qualifications and experience of Charlie Johns and Carl Thorpe (the other CAU member of staff who may be involved) and the external specialists, who have agreed to provide contingency support for the work outlined in the WSI, are included at Appendix 2.

## **9 Health and safety statement**

Katharine Sawyer holds the NEBOSH National General Certificate in Occupational Safety and Health. Prior to on-site work commencing a Risk Assessment will be carried out and liaison with the contractors will be undertaken to ensure a safe system of work in relation to the archaeological recording.

## **Publications**

2015	Isles of the Dead? The Setting and Function of the Bronze Age Chambered Cairns and Cists of the Isles of Scilly, Oxford: Archaeopress Archaeology
In press	'Pumice from Old Quay, St Martin's, Isles of Scilly' in ed Garrow, D and Sturt, F, Neolithic Stepping Stones, Oxford: Oxbow Books
Forthcoming	'Dating the Entrance Graves and Cists of the Isles of Scilly' in ed Brandherm, D and Plunkett, G, Proceedings of the Bronze Age Forum, Belfast, 2013

## **Appendix 2: Qualifications and experience of other possible project staff**

### **Cornwall Archaeological Unit, Cornwall Council Staff**

**Charlie Johns (BA, MIFA).** As an Archaeology Projects Officer with CAU (1991- present) Charlie has special responsibility for projects in the Isles of Scilly where he has worked on numerous projects: notably directing the excavation of the Bryher Iron Age sword and mirror burial in 1999 (Johns 2002-3); updating the popular archaeological field guide 'Scilly's Archaeological Heritage' (Ratcliffe and Johns 2003); managing the Tresco Playing Field watching brief for the Tresco Estate (Taylor and Johns 2009-10); compiling the Isles of Scilly Rapid Coastal Zone Assessment Survey for English Heritage (Johns *et al* 2004) and managing archaeological recording during construction of the off-island quays for the Duchy of Cornwall (Johns and Sawyer 2008), the St Agnes Affordable Housing site for the Cornwall Rural Housing Association (Taylor and Johns 2010) and St Martin's Community Centre (Johns and Sawyer 2012).

Recent projects include the management of Lyonesse Project, a four-year study of the evolution of the coastal and marine environment of Scilly and the preparation of a Research Framework for the Historic Environment of Scilly (both for Historic England). Since 2005 he has co-directed the 'Islands in a Common Sea' research project in Scilly with Dr Jacqui Mulville of Cardiff University (Johns and Mulville 2011; Johns *et al* 2006), and is currently representative for Scilly on the CBA SW Committee.

**Carl Thorpe BSc** will undertake initial finds processing, identification and cataloguing and has carried out similar work for Scillonian projects over the last two decades including the Isles of Scilly Electrification Project (Ratcliffe 1991), the Bryher cist burial, Tresco Playing Field and the off-island quays refurbishment. He is currently reassessing the pottery assemblage from the 1971 excavations at East Porth, Samson with a view to final publication in Cornish Archaeology (forthcoming).

## 10 References

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- Historic England, 2001. Centre for Archaeology Guidelines: Archaeometallurgy
- Historic England, 2002. Centre for Archaeology Guidelines: Environmental Archaeology.
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- Historic England, 2015. Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide
- Johns, C, 2002-3. An Iron Age Sword and Mirror Burial from Bryher, Isles of Scilly, Cornish Archaeology 41-42
- Johns, C, Larn, R and Tapper, B P, 2004. Rapid Coastal Zone Assessment Survey of the Isles of Scilly. HES, Truro
- Johns, C and Sawyer, K, 2008. Isles of Scilly Off-island Quays Refurbishment,; Archaeological Recording, HES, Truro
- Land Use Consultants, 1996. Isles of Scilly: Historic Landscape Assessment and Management Strategy. Unpublished report for the Duchy of Cornwall
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- Ratcliffe, J and Johns, C, 2003. Scilly's Archaeological Heritage, Twelveheads Press
- Taylor, S R, 2008. Carn Thomas, St Mary's Archaeological Recording, HES, Truro
- Taylor, S R, 2010a. Bryher Affordable Housing, Isles of Scilly, Archaeological Recording: Archive Report, HE Projects, Truro
- Taylor, S R, 2010b. St Martin's Affordable Housing, Isles of Scilly, Archaeological Recording: Archive Report, HE Projects, Truro
- Taylor S R, and Johns, C, 2009-10. Archaeological recording on the site of the new sports field at Dolphin Town, Tresco, Isles of Scilly, Cornish Archaeology, 48-49
- Taylor, S R and Johns, C, 2010. St Agnes Affordable Housing, Higher Town, St Agnes, Isles of Scilly: Archaeological Mitigation Phase I: Archive Report, HE Projects, Truro

Katharine Sawyer  
30 May 2017



## **Appendix 1: Curriculum Vitae for Katharine Sawyer**

### **Employment History**

May 2000 to date

#### **Freelance Archaeologist/Guide**

- Archaeological watching briefs at a number of sites in Scilly and Cornwall
  - carried out both independently and in association with Cornwall Archaeological Unit, Cornwall Council
- Historic environment aspects of environmental impact assessments, Isles of Scilly
- Site recording in Scilly
- Leading of guided walks, boat trips and short break holidays, teaching of adult education classes
- Research and writing of a series of guided walk leaflets for the AONB Unit of the Council of the Isles of Scilly
- As a Trustee of the Isles of Scilly Museum, identification of artefacts, interpretation and arrangement of displays.

October 1978  
to May 2000

A variety of management and consultancy roles in both private and public sector organisations (including English Heritage), mainly in personnel and training.

July 1977 to  
October 1978

Various temporary jobs in shops and offices  
Work on archaeological excavations at Shaugh Moor, Devon (volunteer), Hambledon Hill, Dorset (volunteer) and Long Ashton, Avon (site supervisor).

### **Relevant Educational and Professional Qualifications**

1977	BA (Hons) in Archaeology and Anthropology, Class 2i King's College, University of Cambridge
1981	MA, University of Cambridge
2001	NEBOSH National General Certificate in Occupational Safety and Health - Credit
2013	PhD in Archaeology University of Exeter Thesis title: "Isles of the Dead? The Setting and Function of the Neolithic and Bronze Age Chambered Cairns and Cists of the Isles of Scilly".

## Specialists

**John Allan MPhil – Medieval/post-medieval pottery specialist:** John is the leading authority on medieval and post-medieval pottery in south- west England and author of many publications. He will carry out the pottery assessment and analysis in the event of medieval or post-medieval pottery being recovered

**Henrietta Quinnell BA, MIFA, FSA – Prehistoric, Roman, post-Roman pottery:** Henrietta is a freelance pottery specialist and the leading authority on prehistoric pottery in the south-west. She will carry out the pottery assessment and analysis in the event of prehistoric pottery being recovered.

**Dana Challinor MA, MSc – Freelance Charcoal Specialist:** Dana's main area of expertise is charcoal analysis and wood species identification, but she also has experience with charred plant remains. For her Masters degree she specialised in Archaeobotany and received a distinction for her dissertation on charcoal in Bronze Age cremation burials. She has produced numerous assessment and evaluation reports, as well as reports for publication in journal and monograph formats and was formerly Head of the Environmental Department at Oxford Archaeology. She will undertake assessment and analysis of any suitable charcoal samples, including identification of samples suitable for radiocarbon dating.

**Ralph Fyfe, PhD - Palynologist:** Ralph is lecturer in environmental change in the School of Geography at the University of Plymouth. He has carried out numerous archaeological evaluations for a variety of organisations, including English Heritage, County Councils, National Parks and Archaeological Consultancies and will undertake assessment and analysis of pollen samples if required.

**Claire Ingrem PhD– Animal bone specialist:** Claire is an experienced freelance animal bone specialist who will carry out assessment and analysis of animal bone if required.

**Julie Jones BA – Archaeobotanist:** An experienced freelance archaeobotanical specialist based in Bristol, Julie has carried out palaeoenvironmental assessments and analyses for numerous HES projects.

**Laura Ratcliffe, BSc – Conservationist: The Royal Cornwall Museum, Truro:** Laura graduated In Archeological Conservation from Cardiff University in 2001. Since then she has gained a wide variety of experience both on excavations and in a lab working on a wide variety of archaeological and historical material. She was formerly based at the Royal Cornwall Museum where she is the museum's Collections Manager. Laura will carry out the assessment and conservation of pottery and metalwork on a freelance basis if required.

**Radiocarbon Dating Laboratory, Scottish Universities Environmental Research Centre (SUERC):** Samples for radiocarbon dating will be sent to SUERC.